

U R B A N      D I S T R I C T      O F      A I R E B O R O U G H

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A N N U A L                  R E P O R T  
  
O F                  T H E  
  
M E D I C A L      O F F I C E R      O F      H E A L T H  
  
F O R T H E Y E A R  
  
1 9 5 0

G. P. HOLDERNESS,      M.B., Ch.B., D.P.H.  
Medical Officer of Health

JAMES FARRAR, M.S.I.A., A.M.I.P.C.  
Senior Sanitary Inspector.



AIREBOROUGH URBAN DISTRICT COUNCIL

1 9 5 0

HEALTH SEWERAGE & WATERWORKS COMMITTEE

Chairman:

Councillor E. Cunliffe

Deputy Chairman:

Councillor Miss E.M. Holdsworth

The Chairman of the Council

Councillor W. Hudson

Councillor J.E. Bowes

"	W. Brooke
"	J. Hutchinson
"	N.A. Luty
"	L. McCoy
"	H. Scholfield
"	A. Simpson
"	F. Tetley
"	S. Whitaker



STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health, Divisional Medical Officer  
and Divisional School Medical Officer

G.P. HOLDERNESS, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health, Deputy Divisional  
Medical Officer and Deputy Divisional School Medical  
Officer

J.R. MURDOCK, M.D., Ch.B., D.P.H., D.C.H.

Senior Sanitary Inspector

J. FARRAR, M.R.San.I., M.S.I.A., A.M.I.P.C.,  
(Cert. S.I.E.J.B., Certs. R.S.I. Meat & Other  
Foods).

Additional Sanitary Inspector

R.R. MARSHALL, M.R.San.I., M.S.I.A.

Clerical Staff, Divisional Public Health Office

ALTON HARTLEY (Senior Clerk)

G.K. MILNER

H. DOBSON

MRS. L. HODGSON (Resigned 31. 7. 50)

MRS. K. BOOTH

MISS E. CLARKSON

M.M. WATSON

F. ATKINSON (Resigned 14. 1. 50)

MISS S. WHITEHEAD

G.T. HEARD (Appointed 26.1.50 - Resigned 3.10.50)

G. DUNKERLEY (Appointed 6. 2. 50)

MRS. E. GENTLE (Appointed 28. 7. 50)

Clerical Staff, Sanitary Inspector's Department

MISS E.M. BALDWIN

MISS J. STOTT



Divisional Public Health Office,  
The Green,  
HORSFORTH.

To the Chairman and Members of the Health Committee.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you the Annual Report on the health of the District for the year 1950.

As the Urban District of Aireborough is included in Division 5 of the West Riding County Council's Divisional Administration of the Preventive Medical Services, information and statistics relating to these services have been included in an appendix to this report.

The birth rate of 14.7 shows a slight decline on that of 15.1 for 1949, and is lower than that of 16.3 for the Administrative County and 15.8 for England and Wales. Of the total births registered, 3.4 per cent were illegitimate as compared with 4.7 per cent in 1949.

The death rate was 12.5 as compared with 10.9 in the previous year. A feature of the deaths is the small proportion due to infective and parasitic disease, which is attributable to the efforts of preventive medicine and the tremendous advances in chemotherapy made in recent years. On the other hand the proportion of deaths from degenerative diseases of the heart and circulation and from other diseases associated with old age is high, and is a reflection of the increasing average life span.

The increasing proportion of old people in the population poses many economic and social problems. If the balance between the productive and unproductive portions of the population is to be maintained, industry will need to employ more of the "over sixties" who are able and willing to work, and who through their accumulated skill and experience have still something of value to offer to the community; the provision of statutory and voluntary services for the aged will be required on an increasing scale, but the existence of such services should not loosen family ties and dull the social conscience of the public to their own moral responsibility for caring for their aged relatives whenever this is possible.

There were 5 infant deaths giving an infant mortality rate of 13.4. This rate compares very favourably with that of 35 for the Administrative County and 30 for England and Wales.

It is gratifying to report that there were no maternal deaths during the year, which is a tribute to the high standard of ante-natal and obstetrical care.

Measles and whooping cough were prevalent during the year, but otherwise the incidence of infectious disease was slight.



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I wish to thank the Chairman and Members of the Health Committee for their continued support in the work of the department. I would also express my appreciation of the co-operation and assistance I have received from the officers of the Council and the staff of the Health Department.

I have the honour to be,

Your obedient Servant,

G.P. HOLDERNESS.

Medical Officer of Health.



CORRIGENDUM (page 5) -

Area comparability factor for births	1.11
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Area comparability factor for deaths	1.01
--------------------------------------	------

DEATH RATES :-	1950
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All causes (adjusted)	12.6
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## SECTION A - STATISTICS & SOCIAL CONDITIONS

Area of the District (Acres)	6,892
Estimated Population mid-year 1950 (including 2,483 in Menston Mental Hospital)	27,720
Area Comparability Factor	
Births	1.12
Deaths	1.02
Number of inhabited houses (estimated)	8,280
Rateable value	£154,299
Sum represented by a penny rate (estimated)	£605

The District is divided into 8 wards

	<u>BIRTHS</u>		
	<u>Total</u>	<u>Male</u>	<u>Female</u>
Live, legitimate	359	191	168
illegitimate	13	5	8
	<u>372</u>	<u>196</u>	<u>176</u>
Still, legitimate	7	4	3
illegitimate	-	-	-
	<u>7</u>	<u>4</u>	<u>3</u>
Total births	<u>379</u>	<u>200</u>	<u>179</u>

	<u>BIRTH RATES</u>	
	1949	1950
Live births (per 1,000 estimated population)	15.1	14.7
Still births (per 1,000 estimated population)	0.37	0.25
Still births (per 1,000 live and still births)	26.0	18.5

	<u>DEATHS</u>		
	<u>Total</u>	<u>Male</u>	<u>Female</u>
All causes	316	169	147
Deaths of infants under one year			
Legitimate	4	1	3
Illegitimate	1	-	1
Deaths of infants under four weeks			
Legitimate	1	1	-
Illegitimate	1	-	1
Deaths from puerperal causes	-	-	-

	<u>DEATH RATES</u>	
	(per 1,000 estimated population)	
	1949	1950
All causes (crude)	10.9	12.5
All causes (adjusted)	11.1	12.8



DEATH RATES OF INFANTS UNDER ONE YEAR OF AGE

	1949	1950
All infants (per 1,000 live births)	16.0	13.4
Legitimate infants (per 1,000 legitimate live births)	11.2	11.1
Illegitimate infants (per 1,000 illegitimate live births)	111.1	76.9

DEATH RATES OF INFANTS UNDER FOUR WEEKS OF AGE

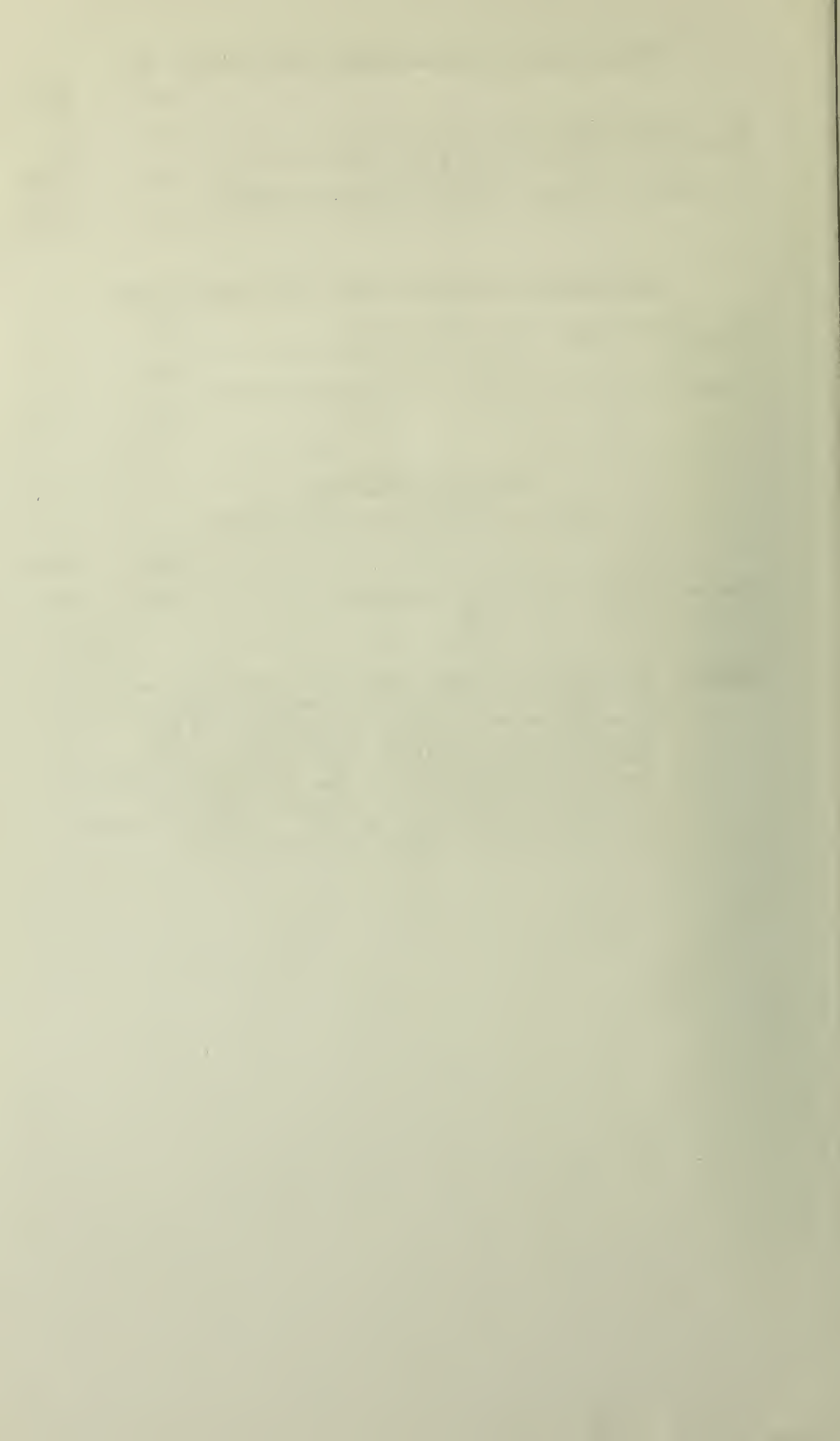
All infants (per 1,000 live births)	N/A	5.4
Legitimate infants (per 1,000 legitimate live births)	N/A	2.8
Illegitimate infants (per 1,000 illegitimate live births)	N/A	76.9

MATERNAL MORTALITY

(per 1,000 live and still births)

	1949	1950
Pregnancy, child-birth and abortion	Nil	Nil

NOTE: The birth and death rates are calculated on the Registrar General's estimated population, less the average number of patients in the Menston Mental Hospital during 1950. This hospital does not materially contribute to the birth and death rates of the District, as the majority of the deaths occurring there are outward transfers and are not allocated to the District, and virtually no births occur.





# URBAN DISTRICT OF AIREBOROUGH

## COMPARABLE VITAL STATISTICS FOR THE YEAR 1950

Based on the Registrar General's Figures

	U.D. Aire- borough	Aggregate West Rid- ing Urban Districts	West Riding Admin. County	England & Wales (Provi- sional figures)
BIRTH RATE: (Per 1,000 estimated population)	14.7	15.9	16.3	15.8
DEATH RATES:				
All causes (Crude)	12.5	12.4	11.8	11.6
Infective and parasitic disease *	0.04	0.10	0.10	**
Tuberculosis of Respira- tory system	0.24	0.26	0.26	0.32
Other forms of tuberculosis	Nil	0.04	0.04	0.04
Respiratory diseases Ø	1.19	1.26	1.18	**
Cancer ‡	2.49	1.94	1.83	1.99
Vascular lesions of nervous system	1.70	1.70	1.59	**
Heart and circulatory diseases	4.91	4.66	4.39	**
INFANT MORTALITY: (Deaths under one year per 1,000 live births)	13	33	35	30
MATERNAL MORTALITY:	Nil	0.95	0.98	0.86

\* Combined death rate from syphilitic disease, diphtheria; whooping cough, meningococcal infections, acute poliomyelitis, measles and other infective and parasitic diseases.

Ø Combined death rate from influenza, bronchitis, pneumonia, and other diseases of the respiratory system, excluding tuberculosis.

‡ Death rate from malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissues.

\*\* Figures not available.



# CAUSES OF DEATH OF AIREBOROUGH RESIDENTS

Disease	Males	Females	Total
Tuberculosis, respiratory	6	-	6
Tuberculosis, other	-	-	-
Syphilitic disease	-	-	-
Diphtheria	-	-	-
Whooping cough	1	-	1
Meningococcal infections	-	-	-
Acute poliomyelitis	-	-	-
Measles	-	-	-
Other infective and parasitic diseases	-	-	-
Malignant neoplasm, stomach	6	5	11
Malignant neoplasm, lung, bronchus	7	1	8
Malignant neoplasm, breast	-	6	6
Malignant neoplasm, uterus	-	2	2
Other malignant and lymphatic neoplasms	21	15	36
Leukaemia, aleukaemia	-	2	2
Diabetes	3	-	3
Vascular lesions of nervous system	23	20	43
Coronary disease, angina	24	4	28
Hypertension with heart disease	4	2	6
Other heart disease	32	53	85
Other circulatory disease	2	3	5
Influenza	3	-	3
Pneumonia	4	5	9
Bronchitis	11	4	15
Other diseases of respiratory system	1	2	3
Ulcer of stomach and duodenum	1	-	1
Gastritis, enteritis and diarrhoea	-	1	1
Nephritis and nephrosis	8	5	13
Hyperplasia of prostate	1	-	1
Pregnancy, childbirth, abortion	-	-	-
Congenital malformations	-	1	1
Other defined and ill-defined diseases	7	11	18
Motor vehicle accidents	-	1	1
All other accidents	1	3	4
Suicide	3	1	4
Homicide and operations of war	-	-	-
ALL CAUSES	169	147	316



# AGES AT DEATH OF AIREBOROUGH RESIDENTS

(Based on Local Registrar's Returns as  
adjusted for Inward and Outward Transfers)

Age	Male	Female	Total
Under 1	1	4	5
1	1	-	1
2 to 4	2	1	3
5 to 9	2	-	2
10 to 14	-	-	-
15 to 19	-	-	-
20 to 29	1	-	1
30 to 39	-	4	4
40 to 49	10	7	17
50 to 59	30	16	46
60 to 69	49	22	71
70 to 79	50	53	103
80 to 89	18	37	55
90 & over	3	3	6
Age not known	2	-	2
Totals	169	147	316



# INFANTILE MORTALITY

CAUSE OF DEATH	Under 1 week	1 - 2 weeks	2 - 3 weeks	3 - 4 weeks	Total deaths under 1 month	1 - 3 months	3 - 6 months	6 - 9 months	9 - 12 months	Total deaths under 1 year
Collapse of lung	-	-	-	-	-	1	-	-	-	1
Prematurity	2	-	-	-	2	-	-	-	-	2
Congenital Heart Disease	-	-	-	-	-	1	-	-	-	1
Broncho-pneumonia	-	-	-	-	-	-	-	-	1	1
ALL CAUSES	2	-	-	-	2	2	-	-	1	5





GENERAL PROVISION OF HEALTH SERVICES  
FOR THE AREA

STAFF

Full details of the staff of the Department are given at the beginning of this report.

LABORATORY FACILITIES

The Public Health Laboratory of the Medical Research Council at Wakefield undertakes the bacteriological examination of clinical specimens, milk, water, etc. and certain biochemical tests on milk and ice-cream.

Facilities exist in the Council's laboratory at Grange House for carrying out biochemical tests on milk and ice-cream.

The chemical analysis of milk, foodstuffs, water, etc. and the bacteriological examination of water is carried out by Messrs. Richardson & Jaffe, Bradford.

AMBULANCE SERVICE

The ambulance service is administered by the West Riding County Council, the District being served by the depot at White Cross, Guiseley.

CLINICS AND TREATMENT CENTRES

The following table gives details of the various clinics serving the Urban District:-



# CLINICS AND TREATMENT CENTRES

NAME	SITUATION	WHEN HELD
School (Minor Ailments) Clinic	Town Hall, Yeadon	Tuesday 9 a.m. - 12 noon.
- do -	Baptist Church, Oxford Road, Guiseley	Thursday 9 a.m.- 12 noon.
Infant Welfare Clinic	Town Hall, Yeadon	Tuesday 2 - 4 p.m.
- do -	Baptist Church, Oxford Road, Guiseley	Thursday 1.30 p.m. - 4 p.m.
- do -	Methodist S.S., Harrogate Road, Rawdon	Thursday 2 - 4 p.m.
Ante-Natal Clinic	Town Hall, Yeadon	1st and 3rd Wednesday in month. 9 - 11 a.m.
- do -	Baptist Church, Oxford Road, Guiseley	Wednesday 1.30 p.m. - 4 p.m.
- do -	Methodist S.S., Harrogate Road, Rawdon	2nd. Wednesday in month 9 - 11 a.m.
Chest Clinic	Whiteley Croft, Station Road, Otley	Thursdays 9 a.m.
Special Clinics (for school and pre-school children)		
Dental	Richardshaw Lane, Pudsey	Daily 9 - 3.30 p.m.
Ear nose and throat	Richardshaw Lane, Pudsey	1st Tuesday in month.
Ophthalmic	South View Girls' School	By arrangement.
	Baptist Church, Oxford Road, Guiseley	By arrangement.
Orthopaedic	St. Lawrence House, Pudsey	3rd. Friday in month. 9.15 a.m. 11 a.m.
Remedial Exercises	St. Lawrence House, Pudsey	Tuesday & Thursday 8-45 - 10-45 a.m.
Artificial Sunlight	St. Lawrence House, Pudsey	Tuesday & Thursday. 8-45 a.m.



## HOSPITALS FOR INFECTIOUS DISEASE

Cases from the District are admitted mainly to the Leeds Road Hospital, Bradford. A few cases are also admitted to the Seacroft Hospital, Leeds.

## OTHER SERVICES

Information regarding the personal health services provided in the District by the West Riding County Council is given in the appendix to this report.

## NATIONAL ASSISTANCE ACT 1948

### SECTION 47

Section 47 of the National Assistance Act, 1948, provides that when a Medical Officer of Health of a county district certifies that a person is suffering from grave chronic disease or being aged, infirm or physically incapacitated, is living in insanitary conditions, and is unable to devote to himself, and is not receiving from other persons proper care and attention, the County District Council may apply to a court of summary jurisdiction for an order to remove the person to a suitable hospital or other place and his detention and maintenance there.

No action was taken by the Urban District Council under this section during the year.

## PREVALENCE OF, AND CONTROL OVER INFECTIOUS DISEASES

### Scarlet Fever

There were 31 notified cases of scarlet fever. The disease was mild in character and there were no deaths.

### Diphtheria

No cases of this disease occurred during the year. Particulars of diphtheria immunisation are given in the appendix to the report.

### Measles

187 cases of measles were notified during the year, 154 of which were notified in the last quarter of the year. The disease was mild in character and there were no deaths.

### Whooping Cough

There were 166 notified cases. The disease generally was mild in character, but there was one death. No scheme for immunisation against whooping cough has yet been adopted by the Local Health Authority, but some children are immunised by their own private doctors.





## Acute Poliomyelitis

One case of acute paralytic poliomyelitis was notified. The patient was an adult.

## Dysentery

6 cases of dysentery were notified in July, all of which occurred in the Menston Mental Hospital.

## Tuberculosis

19 new cases of pulmonary tuberculosis came to notice during the year, 12 by formal notifications and 7 by other sources. There were also 6 notified cases of non-pulmonary tuberculosis. There were 6 deaths from pulmonary tuberculosis.

In May the Chest Clinic at 97, Town Street, Horsforth, was discontinued, and cases were referred to the Chest Clinic at Whiteley Croft, Station Road, Otley, which under arrangements made by the Leeds Regional Hospital Board now serves the Urban District of Aireborough.

The domiciliary supervision and after care is carried out by a Tuberculosis Health Visitor, who is attached to the staff of the Divisional Public Health Office.

## Food Poisoning

No cases were notified.





Notifications of Infectious Disease (corrected)  
received during 1950

	District proper	Menston Mental Hospital
Smallpox	-	-
Diphtheria	-	-
Erysipelas	1	2
Scarlet fever	31	-
Typhoid	-	-
Paratyphoid	-	-
Measles	187	1
Whooping cough	166	-
Acute poliomyelitis	1	-
Acute encephalitis	-	-
Meningococcal infection	-	-
Dysentery	-	6
Pneumonia	9	4
Ophthalmia Neonatorum	-	-
Puerperal Pyrexia	-	-
Tuberculosis (Respiratory)	12	-
Tuberculosis (Other forms)	6	-
Food poisoning	-	-



# INCIDENCE OF INFECTIOUS DISEASE

Rates per 1,000 Home Population

	District proper	England and Wales
Typhoid fever	Nil	0.00
Paratyphoid fever	Nil	0.01
Meningococcal infection	Nil	0.03
Scarlet fever	1.23	1.50
Whooping cough	6.58	3.60
Diphtheria	Nil	0.02
Erysipelas	0.04	0.17
Smallpox	Nil	0.00
Measles	7.41	8.39
Pneumonia	0.36	0.70
Acute poliomyelitis (including polioencephalitis)		
Paralytic	0.04	0.13
Non-paralytic	Nil	0.05
Food poisoning	Nil	0.17



AGE INCIDENCE OF NOTIFICATIONS OF INFECTIOUS DISEASE DURING 1950 (CORRECTED NOTIFICATIONS)

Disease notified	Under 1 yr.	1-4 years	2 - 2 years	2 - 3 years	3 - 4 years	4 - 4 years	5 - 5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 yrs. & over.	Total cases notified
Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
Scarlet fever	-	-	1	1	1	5	16	6	6	-	1	1	-	-	31
Measles	6	15	22	28	45	67	48	1	3	-	3	2	-	-	188
Whooping cough	11	19	29	17	37	48	-	-	-	-	3	1	-	-	166
Acute poliomyelitis	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Dysentery	-	-	-	-	-	-	-	-	1	-	-	2	1	2	6
Pneumonia	-	-	-	1	-	-	2	-	-	-	3	1	1	5	13
TOTALS	17	34	52	47	87	133	7	4	7	8	4	8	8	408	



MONTHLY INCIDENCE OF NOTIFICATIONS OF INFECTIOUS DISEASE DURING 1950 (CORRECTED NOTIFICATIONS)

DISEASE	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Erysipelas	1	-	-	1	-	-	-	-	-	1	-	-	3
Scarlet fever	6	4	6	4	1	-	3	-	-	2	1	4	31
Measles	-	2	3	-	4	1	3	13	8	30	72	52	188
Whooping cough	2	4	11	10	20	12	17	13	10	13	25	29	166
Acute poliomyelitis	-	-	-	-	-	1	-	-	-	-	-	-	1
Dysentery	-	-	-	-	-	-	6	-	-	-	-	-	6
Pneumonia	1	3	-	5	2	-	1	1	-	-	-	-	13
<b>TOTALS</b>	<b>10</b>	<b>13</b>	<b>20</b>	<b>20</b>	<b>27</b>	<b>14</b>	<b>30</b>	<b>27</b>	<b>18</b>	<b>46</b>	<b>98</b>	<b>85</b>	<b>408</b>





# TUBERCULOSIS AND MORTALITY DURING 1950

Age Periods	New Cases*				Deaths			
	Respiratory		Non-Respira- tory		Respiratory		Non-Respira- tory	
	M	F	M	F	M	F	M	F
0 -	-	-	-	-	-	-	-	-
1 -	-	-	1	-	-	-	-	-
2 -	-	-	-	1	-	-	-	-
5 -	1	-	2	-	-	-	-	-
10 -	-	-	-	-	-	-	-	-
15 -	-	1	-	-	-	-	-	-
20 -	2	3	-	-	-	-	-	-
25 -	1	3	-	-	-	-	-	-
35 -	2	1	-	-	1	-	-	-
45 -	2	1	1	1	1	-	-	-
55 -	-	1	-	-	2	-	-	-
65 -	1	-	-	-	2	-	-	-
75 -	-	-	-	-	-	-	-	-
TOTALS	9	10	4	2	6	-	-	-

\* These include formal notifications and cases coming to the knowledge of the Medical Officer of Health otherwise than by formal notification.

	Pulmonary		Non-pulmonary	
	M	F	M	F
No. of cases on the register at 1st January, 1950	96	68	17	16
No. of cases notified during the year	7	5	4	2
No. of cases restored to the register	-	2	-	-
No. of cases added to the register otherwise than by notification	2	3	-	-
No. of cases removed from the register	16	16	4	-
No. of cases remaining on the register at 31st December, 1950	89	62	17	18



To the Chairman and Members of the Health Committee.

Ladies and Gentlemen,

I have much pleasure in presenting my fourteenth Annual Report for the year ending 31st December, 1950.

.....

Appended herewith are the various charts and statistics relative to the Department.

.....

The cost of collection and disposal of refuse shows a substantial decrease in cost over the previous year, due to increase in the amount of salvage collected and the rise in market prices of salvageable materials, this saving is due to the foresight of the Committee to carry on the salvage of waste materials during the falling off of prices, therefore when the market recovered the committee was in a position to take advantage of the increased prices and make a substantial saving to the rates.

.....

The cost of refuse collection for the year was £206 per 1000 population and £811 per 1000 houses, a decrease of £120 and £272 respectively on the previous year, the cost of £206 per 1000 population is comparable to the cost of £205 per 1000 population in 1942, showing that the collection of salvage can offset the increased cost of wages, petrol etc.

.....

It is pleasing to note that finality has been reached in the experiments for the precipitation of alum, iron and manganese present in the raw water collected into Reva reservoir, and it is hoped that the necessary plant will be installed as soon as possible.

.....

The appropriate Ministry has now given approval for a new filtration plant, storage reservoir at Yeadon for the Yeadon Waterworks Company.

.....

The total number of houses built in the district for the year was 86, making 82 built by the Council and 4 by private enterprise, an increase of 12 houses on the previous year, making a total of 449 houses built since the end of the war.

.....

The giving of improvement grants was commenced and it is anticipated that more people will take advantage of this scheme to improve their dwellings as the general facts become known.

.....



The statistics of atmospheric pollution are still being recorded and comparable figures can now be used for assessing the presence of soluble and insoluble deposits and sulphur prevailing in the atmosphere of the district.

.....

May I take this opportunity of thanking you, Mr. Chairman, and Members for your kind co-operation in all matters relating to my Department, whilst I would like to express my appreciation to the members of my staff for their loyal support during the year.

I am, Ladies and Gentlemen,

Your obedient Servant,

JAMES FARRAR.

Senior Sanitary Inspector.





## FOOD INSPECTION

The sampling of food and drugs is carried out in this District by the West Riding County Council, and their Inspectors are stationed at Shipley.

There are seventeen private slaughterhouses in the District, but these are only used for the slaughtering of pigs with Food Office Permits or emergency slaughter, to which 60 visits have been made.

The present meat allocation is slaughtered at Otley abattoir, assistance is given for the inspection of meat at that abattoir when requested.

46 visits have been made to bakehouses and 146 visits to food preparing premises.

The Council adopted the Model Clean Food Byelaws for the District.

The following is a list of food condemned during the past twelve months:-

Processed Peas	3-lbs.
Potted meats	1
Tomatoes tinned	6
Pilchards tinned.	1
Grapes tinned.	2
Sliced peaches	6
Evaporated milk	53
Salmon	7
Strawberries tinned	1
Blackberry jelly	1
Diced beetroot	2
Pigs tails	20
Beef	20
Brisling	1
Plums tinned	2
Beans	4
Barley	14
Barley vanilla	12
Spaghetti	1
Sardines	2
Pork gelantine	1
Luncheon meat	42
Puddings	1
Rabbit	1
Mussels	2
Tea	1
Beef loaf	1
Cow heel	8
Macedoine	1
Sliced apples	3
Pineapple	1
Bacon tinned	1
Bacon	86
Margarine	54
Strained vegetables	6
Grapefruit juice	1
Shell eggs	1084





## ICE CREAM

At December 31st, 1950, there were registered for the sale of ice cream 56 premises, of which five were also registered for the manufacture of ice cream, using a cold mix preparation.

Sales from these premises (and the mobile vans entering the district) the provision of washing facilities and general cleanliness and the temperatures in the various storage holders were periodically checked, and samples of ice cream taken informally for bacteriological testing in our own laboratory.

Using the modified Methylene Blue test the results graded the samples as follows:-

Grade 1	...	...	...	14	samples
2	...	...	...	2	"
3	...	...	...	3	"
4	...	...	...	0	"
				<u>19</u>	

Of these 19 informal samples obtained 3 were manufactured within the district, and the comparative gradings were thus:-

	<u>Grade 1</u>	<u>Grade 2</u>	<u>Grade 3</u>	<u>Total</u>
Cold mix made up in A.U.D.	3	-	-	3
Manufactured outside A.U.D.	<u>11</u>	<u>2</u>	<u>3</u>	<u>16</u>

All mobile sales points entering the district are now provided with adequate supplies of hot water, sinks, etc., within the vehicles for the use of the salesmen.

## MILK SAMPLING

A total of 81 informal samples of milk were taken during the year under review, and these were then tested for fat content in 25 instances; for presence of phosphatase (in case of Pasteurised milk) in 26 instances; and for bacteriological content by the Methylene Blue test in 28 instances, and by the Resazurin method in 2 instances.

	<u>Satisfactory</u>	<u>Unsatisfactory</u>	<u>Total</u>
Fat Content	24	1	25
Phosphatase	26	-	26
Methylene Blue	27	1	28
Resazurin	<u>2</u>	<u>-</u>	<u>2</u>
	<u>79</u>	<u>2</u>	<u>81</u>



PREVENTION OF DAMAGE BY PESTS, ACT 1949

PREVALENCE OF RATS AND MICE

Type of Property	No. of properties in which infestation was:			Number Infested by:		
	Notified by Occupier	Otherwise discovered	Total recorded	Rats major	Rats minor	Mice only
Council property	1	-	1	-	1	-
Dwelling houses	12	-	12	1	1	10
Business premises	9	2	11	2	6	3
Agricultural property	-	1	1	1	-	-
TOTAL	22	3	25	4	8	13

Measures taken

46 properties were inspected as a result of the above table, involving a total of 138 inspections and finally treatment was carried out at the 25 properties where infestation was recorded.

<u>Premises treated</u>	<u>Visits made</u>	<u>Prebait laid:</u>	<u>taken</u>	<u>Poisoned bait laid:</u>	<u>taken</u>	<u>Dead bodies picked up</u>
25	94	261	167	66	40	4

FACTORIES AND WORKSHOPS

Seventy seven visits have been made to Factories and Workshops in the District, and improvements are being carried out for more adequate sanitary accommodation and washing facilities at Messrs. Naylor Jennings Ltd.

Five notices were served for insufficient or unsuitable and defective sanitary accommodation.



## REFUSE COLLECTION AND DISPOSAL

During the year ending 1950, 3895 loads of refuse were collected, the disposal of same was by tipping at the old Guiseley Sewage Works which are now derelict.

Salvage was commenced by the Council in April, 1940, and to the period ending 31st March, 1951, 3,240 tons of material have been salvaged and sold for £18,006. For the year ending March, 1951, we salvaged 262 tons of materials and sold same for £2491, an increase of 61 tons, and an increase in income of £1602 on the previous year. The statistical chart is appended.

The cost of refuse collection and disposal for the year ending March 31st, 1951, was £206 per 1,000 population and £811 per 1,000 houses, a decrease of £120 and £272 respectively, this being due to the increase in yield and prices of the sale of salvage.

The Council are still negotiating for the erection of a modern pre-separation and disposal plant to be erected at New Scarborough. A Ministry of Health Inquiry was held at Micklefield House on December 6th, 1950.

I herewith give comparative analysis of refuse collection in the months of March, June and November, 1950.

	March 1950	June 1950	November 1950
(a) Fine dust under 5/16	46.07	22.5	40.26
(b) Small cinder 5/16 - 3/4	20.70	12.23	19.11
(c) Large cinder over 3/8	15.63	14.92	17.92
(d) Vegetable & putrescible	1.64	7.09	2.54
(e) Paper content	3.27	12.47	2.24
(f) Metal containers etc.	3.11	7.09	3.21
(g) Textiles	1.06	2.70	1.64
(h) Bottles, glass	5.65	9.50	5.31
(i) Bones	.16	4.50	4.52
(j) Combustible Debris	1.48	7.58	6.20
(k) Incombustible Debris	1.23	3.42	1.05
1 cubic yd. of Refuse lbs.	792	544	696
Density (Cwts. per c.yd.)	7.07	4.86	6.21
lbs. per cubic foot	29.33	20.15	25.78
Volume (cu.ft. per cwt.)	3.82	5.55	4.35





SALVAGE

AMOUNT OF SALVAGE MATERIAL SOLD

<u>Material</u>	<u>April 1940</u>	<u>March 1950</u>	<u>April 1950</u>	<u>March 1951</u>
	<u>Weight</u>	<u>Price</u>	<u>Weight</u>	<u>Price</u>
	T.	£.	T.	£.
Paper	1940	11056	232	1995
Ferrous metals	688	1315	16	47
Non-ferrous metals	12 $\frac{1}{2}$	384	1	131
Rags, etc.	144	1785	12	316
Bottles & jars	102	732	-	-
Bones	34 $\frac{1}{4}$	126	-	-
Cullet	42	59	-	-
Rubber	13	35	1	2
Miscellaneous	2 $\frac{1}{2}$	23	-	-
	2978 $\frac{1}{4}$	15515	262	2491

TOTAL YEARLY AMOUNT OF SALVAGE SOLD

<u>Year</u>	<u>Weight</u>	<u>Price</u>
	T.	£.
1940-41	398	1563
1941-42	405	1732
1942-43	432	2312
1943-44	407	2062
1944-45	279	1640
1945-46	243 $\frac{1}{2}$	1328
1946-47	200 $\frac{1}{4}$	1259
1947-48	180 $\frac{1}{2}$	1185
1948-49	232	1545
1949-50	201	889
1950-51	262	2491
	3240 $\frac{1}{4}$	18006





# REFUSE STATISTICS

<u>Year</u>	<u>Cost per 1,000 population</u> £.	<u>Cost per 1,000 houses</u> £.
1937-38	137.78	452.71
1938-39	130.92	410.64
1939-40	129.56	412.9
1940-41	139.90	436.16
1941-42	169.34	558.3
1942-43	204.84	646.76
1943-44	180.61	596.12
1944-45	179.45	578.2
1945-46	192.53	618.82
1946-47	284.4	929.31
1947-48	248.1	804.23
1948-49	244.82	802.73
1949-50	326.23	1083.00
1950-51	206.20	810.93

# SALVAGE STATISTICS

<u>Year</u>	<u>Average weight of salvage sold per 1,000 population</u>				<u>Value of salvage sold per 1,000 population</u>		
	T.	Cwt.	Qrs.	Lbs.	£.	s.	d.
1940-41	17	6	-	18	68.	5.	4
1941-42	16	15	2	10	71.	10.	8
1942-43	17	8	1	20	93.	3.	9
1943-44	16	5	1	6	82.	6.	9
1944-45	11	10	2	21	64.	17.	8
1945-46	9	14	3	3	53.	1.	9
1946-47	7	14	1	4	48.	12.	2
1947-48	6	18	2	3	45.	9.	5
1948-49	8	14	-	5	57.	19.	5
1949-50	7	7	2	21	32.	13.	8
1950-51	9	9	-	4	89.	17.	4



## NO. OF HOUSES AND RATEABLE VALUE

<u>District</u>	<u>Up to £10 rateable</u>	<u>£11-£20 rateable</u>	<u>Over £20 rateable</u>	<u>Total</u>
Hawksworth, Menston & Esholt	53	339	351	743
Yeadon	1528	1422	251	3201
Guiseley	801	1329	267	2397
Rawdon	754	783	405	1942
TOTAL	3136	3873	1274	8283
Percentage	37.9%	46.7%	15.4%	100%

## PUBLIC CONVENIENCES

The Department is responsible for the cleansing of the Public Conveniences at Micklegate Lane, Victoria Avenue, Albert Square, Town Hall Square, New Scarborough and Oxford Road. The Committee have agreed to the taking over of some disused conveniences at White Cross and converting these into Public Conveniences, while plans are being prepared for the erection of new public conveniences in Albert Square to replace the existing ones which are unsatisfactory.

## SEWERAGE AND DRAINAGE

Sewers have been extended for the provision of new houses at Billingham Drive, Rawdon, and for the Bolton House Estate, including Windmill Lane, Yeadon, plans are being prepared for the sewerage of Guiseley fields area where a large estate of Council houses will eventually be built.

Plans are now being prepared for the sewerage of Hawksworth, to be dealt with by the erection of a small sewage disposal works near Jumbo Rock.

## SANITARY ACCOMMODATION

During the year 156 new water closets were installed in new houses and 12 additional for old properties, the estimated number of water closets in the district being 10,359, comprising approximately 7580 dwellings with one W.C., 339 with two W.Cs., and 200 houses with joint W.Cs., the approximate number of W.Cs. in factories is 609, shops - 151, hotels and public houses 182, business premises - 185, public conveniences, schools and other premises 804.

There still remains 34 privy middens and 16 pail closets due to the absence of sewers or the property being in confirmed clearance areas.



SANITARY ACCOMMODATION

	<u>1937</u>	<u>1938</u>	<u>1939</u>	<u>1940</u>	<u>1941</u>	<u>1942</u>	<u>1943</u>	<u>1944</u>	<u>1945</u>	<u>1946</u>	<u>1947</u>	<u>1948</u>	<u>1949</u>	<u>1950</u>
No. of Privies with open middens	15	15	12	12	12	12	12	12	6	6	6	6	3	3
No. of pail closets	18	18	18	18	18	18	18	18	18	18	18	18	16	16
No. of Privies with covered middens	186	138	90	44	42	42	42	42	41	34	33	31	31	31
No. of W.Cs.	8423	8940	9141	9215	9241	9742	9742	9742	9754	9819	9943	10022	10183	10359
No. of waste W.Cs.	20	20	20	20	20	20	20	20	15	15	15	15	15	15
No. of Privies reconstructed as W.Cs.	102	48	51	46	2	-	-	-	7	7	1	2	3	-
No. of additional W.Cs. for old property	7	4	10	18	24	-	-	-	5	8	10	5	15	12
No. of new W.Cs. for new houses	244	465	140	10	-	501	-	-	-	50	113	92	70	156





## WATER SUPPLY

The District of Aireborough is provided with two public water supplies, viz. the Guiseley undertaking which is owned by the Aireborough Urban District Council and provides water to the Parish of Guiseley, and the Yeadon Waterworks Company, which is a Private Company, and supplies the remainder of the district.

Forty-five samples of water were taken for bacteriological and chemical examination of the supplies by the Sanitary Inspector's Dept. and were satisfactory. Four samples were taken of the raw water before treatment.

The supply provided by Guiseley is chiefly borehole water from the Netherfield Road and Moor Top boreholes. The Yeadon supply is mainly from the Hawksworth Moors gathered into the Reva Reservoir, the supply is supplemented from additional boreholes.

The water gathered from the moors is plumbo-solvent, but same is adequately treated and of eight samples taken, all were satisfactory.

The approximate number of houses not on a Public Water Supply in the District is 92, but the majority of these have a piped supply from private sources. There are no standpipes in the district. The number of dwelling houses on the public supply is 8,189 with an approximate population of 27,568.

Finality was reached upon the experimental work undertaken at Hawksworth for the better treatment of the water derived from the Hawksworth gathering grounds.

The conclusions reached indicated that:-

- (a) Sediment tanks for flocculation and precipitation of the alum, iron and manganese present in the raw water were essential.
- (b) That flocculation can only be assured by raising the pH of the raw water within a pH range of 6.2 to 6.8 by the addition of alkalis.
- (c) That these fine limits of pH range can only be maintained by a plant operating at a constant pre-determined rate of flow so that satisfactory control of the additions of the necessary chemicals can be achieved for the raising of the pH of the water.

The Yeadon Waterworks Company thereupon undertook the preparation of a scheme for modifications and additions to the treatment plant at Hawksworth.

The Company continued to urge with the then Minister of Health the need for new filtration plant, storage reservoir and other incidental works at Yeadon, and towards the end of the year approval was given in principle to the execution of the scheme.

Extension of the 3" main in Over Lane, Rawdon, was undertaken so that new service pipes could be laid to several properties formerly served with a single service pipe supplying several houses and where the supply had become inadequate. Approximately 200 yards of 4" main was laid in Windmill Lane, Yeadon, to serve the new bungalows being erected by the Council.





Chemical reports upon Raw Waters

	<u>Borehole</u>	<u>Hawksworth</u>
	Parts per million	Parts per million
Appearance .....	Clear	Clear
Total Solids .....	220	80
Chloride .....	15	15
Nitrite .....	nil	nil
Nitrate .....	nil	11
Free Ammonia .....	.01	.1
Albuminoid Ammonia .....	.02	.01
Poisonous Metals .....	nil	nil
Alum .....		2.0
Manganese .....		.5
Iron .....		.3
Total Hardness .....	200.	30.0
Permanent Hardness.....	18.	
Temporary Hardness.....	182.	
pH .....	7.	4.8



## HOUSING

During the year 1950 the number of houses erected was 86, comprising 82 Council Houses, making 60 houses on the Haw Estate of which 40 are of the Myton type, 10 bungalows at St. Andrew's Close, 8 houses at Westbourne, Guiseley, and 4 houses at Billingwood Drive, Rawdon; and 4 houses by private licences and being situate as follows:-

Hawksworth 2, Guiseley 1, Yeadon 1, making the total of houses built since the war 449, of which were 345 permanent and 50 temporary Council houses and 54 by private enterprise.

The Trustees of the Hargill Walker Estate offered to erect four Almshouses in Rawdon and vest same in the Council. It was recommended that the Councillors of the Buckstone and Billing Wards should be the management Committee thereof.

The Trustees of the late Frank Parkinson have agreed to erect six homes for aged people at Towngate, Guiseley, provision has also been made for a flat for a Warden, who will be responsible for the care of the inhabitants of the homes, a management Committee has been created to which the Council will nominate two members.

During the year 264 dwelling houses were inspected for housing defects, and the total number of inspections made for that purpose was 472.

The Council adopted in principal the making of grants to persons for improvement of housing accommodation on the conditions and subject to the provisions set out in the Housing Act, 1949. Three applications were received of which two were granted and approved by the Ministry of Health.

## OVERCROWDING

As far as can be ascertained the number of dwellings overcrowded at the end of the year was 12, the number of families dwelling therein was 19, with a total number of occupants being 104. The number of new cases reported of overcrowding was 6, comprising 54 persons.

## HOUSES

	<u>No. of houses</u>	Average No. of persons per house, including West Riding <u>Mental Hosp.</u>
1950	8283	3.35
1949	8201	3.32
1948	8131	3.28
1947	8040	3.11
1946	7927	3.17
1945	7839	3.19
1944	7839	3.22
1943	7839	3.31
1942	7839	3.16
1941	7339	3.29
1940	7339	3.11
1939	7440	3.19
1938	7403	3.19
1937	7000	3.00



# NEW HOUSES ERECTED

<u>Year</u>	<u>By L.A.</u>		<u>M.A.P.</u>	<u>Private Enterprise</u>	<u>Total</u>	<u>Demolished</u>	<u>Total Houses</u>
	<u>Permanent</u>	<u>Temporary</u>					
1950	82	-	-	4	86	4	8283
1949	61	-	-	9	70	-	8201
1948	82	-	-	9	91	-	8131
1947	102	-	-	11	113	-	8040
1946	18	50	-	21	89	1	7927
1942	-	-	501	-	501	1	7839
1940	5	-	-	5	10	111	7339
1939	76	-	-	32	108	71	7440
1938	66	-	-	337	403	-	7403
1937	40	-	-	204	244	123	7000
	368	50	501	619	1608	307	

## SUMMARY OF HOUSES ETC. UNDER THE HOUSING ACTS

<u>Clearance Areas</u>	<u>Houses Demolished</u>	<u>Other buildings demolished</u>	<u>Houses closed</u>	<u>Persons displaced</u>
Clearance Area No.1.	14			38
" " " 2.	9			15
" " " 3.	8			26
" " " 4.	7			20
" " " 5.	6	2		4
" " " 6.	9	3		26
" " " 7.	11			24
" " " 8.	11	5		29
" " " 9.	15			46
" " " 10.	6			11
" " " 11.	7	2		25
" " " 12.	16	1		37
" " " 13.	2	2		3
" " " 14.	11			41
" " " 15.	27	11		78
" " " 16.	7			13
" " " 17.	19	1		62
" " " 18.	74	33		184
" " " 19.	10	1		43
" " " 20.	14	44		41
" " " 21.	30	11		92
" " " 22.	8	7		28
Individual Houses	48		21	186
	369	83	21	1072



NUMBER OF DWELLING HOUSES

	Number of houses at 31st Mar. 1938	Houses completed during 1939-50	Houses demolished during 1939-50	Number of houses Dec. 31st, 1950
Guisseley	2121	325	50	2396
Esholt	151	1	-	152
Hawksworth	481	45	-	526
Menston	51	14	-	65
Rawdon	1778	174	10	1942
Yeadon	2821	509	128	3202
	7403	1068	188	8283

ESTIMATED POPULATION

	District	West Riding Mental Hosp.	Total	Density of population per acre
1950	25237	2483	27,720	4.00
1949	24742	2478	27,220	3.95
1948	42685	4275	26,660	3.87
1947	23651	2409	26,060	3.78
1946	23562	2338	25,900	3.76
1945	22663	2377	25,040	3.63
1944	22832	2428	25,260	3.67
1943	22663	2391	25,110	3.64
1942	22397	2403	24,800	3.60
1941	21747	2433	24,180	3.50
1940	20599	2281	22,880	3.3
1939	21600	2110	23,710	3.44
1938	20960	2040	23,000	3.34





# ATMOSPHERIC POLLUTION

The study of the pollution of the atmosphere in Aireborough was first commenced in the July of 1946 when apparatus for measuring the quantities of smoke and sulphur dioxide was set up in the Department's laboratory. The apparatus draws in air continuously from High Street to provide a daily reading of these two types of pollution, the result being expressed as a definite actual concentration of smoke and sulphur dioxide in a stated volume of air. The concentration of sulphur dioxide in the air is known to be much affected by weather conditions such as wind and rain, and for this reason day to day variations are considerably greater than that of the original emission of the gas from chimneys, flues, etc. The effects of the weather thus also show themselves in the monthly averages, as given below, with the result that the records of many years sampling are required before it is possible to draw any conclusions about changes, for better or worse, in the emission of sulphur dioxide; with four and a half years' records now available for this district, we are at the beginning of the time when comparisons may be reasonably made.

The average daily values of the concentration of smoke and sulphur dioxide for each month of 1950 were:-

	Smoke (Mg per 100 cubic metres)	Sulphur dioxide (parts per 100 million)
January	13.95	2.61
February	19.82	3.66
March	20.81	4.85
April	11.73	3.04
May	7.85	2.59
June	8.21	2.49
July	6.15	0.84
August	7.20	1.06
September	11.00	1.11
October	16.15	1.15
November	24.28	2.19
December	17.09	2.60
<hr/>		
Average daily reading - 1950	13.69	2.35
Compared with 1949	18.62	4.22
1948	19.07	3.18
1947	13.01	2.64
1946	14.80	3.60

Given below are two tables revealing the yearly cycles of the monthly mean concentration of sulphur dioxide observed by the volumetric method, and the monthly mean concentration of suspended impurities, consisting chiefly of smoke. The column S<sub>5</sub> contains the mean rate for the five summer months of May to September; column W<sub>5</sub> contains corresponding values for November to March of winter; and the ratio W<sub>5</sub>/S<sub>5</sub> is shown in the last column. The results for April and October are only used for



calculating the year's average figure, as during these months the need for artificial heating is extremely variable. From November to March fires are usually lighted as a matter of course, i.e. daily, while from May to September they are used very infrequently and occasionally during the daytime.

SMOKE. Monthly mean concentrations in mg/100 c. metres.

Apr:May:Jun;Jul:Aug:Sep:Oct:Nov:Dec:Jan:Feb:Mar:Year: S5:W5.W5/S5																
46-47				11	12	14	10	21	21	12	8	13	13.6	12.3	15.0	1.2
47-48	10	8	?	8	8	14	17	20	23	27	17	25	16.3	9.6	22.7	2.4
48-49	16	14	11	11	?	14	20	29	24	28	24	20	19.3	12.8	25.0	1.9
49-50	18	18	11	8	10	13	24	27	20	14	20	21	17.2	12.3	20.4	1.7
50-51	12	8	8	6	7	11	16	24	17	17	19	16	13.5	8.1	18.8	2.3

SULPHUR DIOXIDE. Monthly mean values in Vols/100 million

46-47				1	2	2	1	5	9	3	2	3	3.3	1.9	4.4	2.3
47-48	3	2	?	2	1	2	4	3	4	1	3	4	2.7	1.8	3.1	1.7
48-49	3	3	3	3	?	2	3	5	4	2	5	4	3.4	2.8	4.0	1.4
49-50	6	9	3	2	2	3	6	6	3	3	4	5	4.2	3.7	4.0	1.1
50-51	3	3	2	1	1	1	1	2	3	3	3	3	2.2	1.6	2.8	1.7

On the first day of May of this year a lead peroxide-candle was placed on Yeadon Moor for monthly exposures to the air, so that the lead-peroxide would absorb sulphur dioxide from an undeterminable volume of air. The results obtained are monthly values, reduced to weights per day per area of candle - not volumetric as above, - and will be of statistical use eventually to show the yearly cycle of deposited lead sulphate. In settled weather conditions, the candle absorbs sulphur dioxide at a rate proportional to the concentration of the gas in the air, but is greatly affected by any changes in the weather - the moister surface in winter is more reactive than in summer - but over lengthy periods during either winter or summer, and particularly with a few years' figures available, the effects of weather conditions are not so great as with the volumetric system.

Our first records, from May of this year, are:-

S.O <sub>3</sub>		
Mg per day per 1,000 square cm.		
May	6.3	Mean rate of sulphation for 8 months 1950.....10.11
June	8.5	
July	5.4	
August	Nil	
September	5.2	Mean rate of sulphation for summer months May-Sept..... 5.08
October	10.3	
November	22.5	
December	22.7	

A first Deposit Gauge, of Standard pattern, was placed on open ground on Yeadon Moor on the 1st September, 1947, at a height above sea level of 655 feet, for the deposit of atmospheric pollution, and the analysis was carried out monthly by the County Analysts.

It soon became apparent that such a single gauge could not provide reasonable or reliable readings for an area the size of Aireborough Urban District, nor for one of such variety of trades and land usages. The ideal appeared to be for innumerable gauges to be spaced out over the District, on a grid system, and at least to be at half-mile intervals: the obstacle to such a scheme would be the initial costs of installation and the monthly costs of full analyses. Maintenance, too, could prove expensive, if a winter of severe frosts damaged the glass receivers, as we experienced here on Yeadon Moor.





Thus a simplified deposit gauge and a simplified analysis were essential. Some five small gauges, of our own construction on similar lines to the Standard Gauge, were manufactured and sited on a line across the District from West to East, covering a variety of localities and at varying altitudes; and the monthly analyses were carried out in our own laboratory, determining only for the total soluble and insoluble matters.

These five gauges were placed at:-

- West: Reva Reservoir - on open moorland - 725 ft.above sea level.  
Tranmere Park - on residential land - 525 ft.above sea level  
Guiseley Moor - on agricultural land - 750 ft. above sea level.  
Nunroyd Park - within industrial area - 450 ft. above sea level.  
East: Layton Lane - on residential land - 525 ft. above sea level.

These came into operation on the 1st May, 1948.

Damage to the glass-ware was quite frequent - frost in Winter and high winds in Autumn - so that in February of 1949, an experiment in the use of stainless steel collecting bowls and receivers was instituted for the Yeadon Moor Standard Gauge, and this use has continued with apparently quite successful results, with no parts of the gauge liable to any damage from any type of weather experienced in this area.

Finally, commencing 1st June, 1949, we placed a further two gauges of our own design in central areas, one at Guiseley to catch deposits from industry, and the other at Yeadon in the track of winds crossing a developing housing estate:-

- Mount Pleasant - on a residential land - 555 ft.above sea level.  
Yeadon Cemetery - in a developing residential area - 660 ft. above sea level.

Although the ideal is not yet reached, we have the District fairly well covered with gauges, and, as the tabulated results show, the diversity of readings obtained do give a better picture of atmospheric pollution for Aireborough than would have been the case with a single Standard Gauge situated on Yeadon Moor.

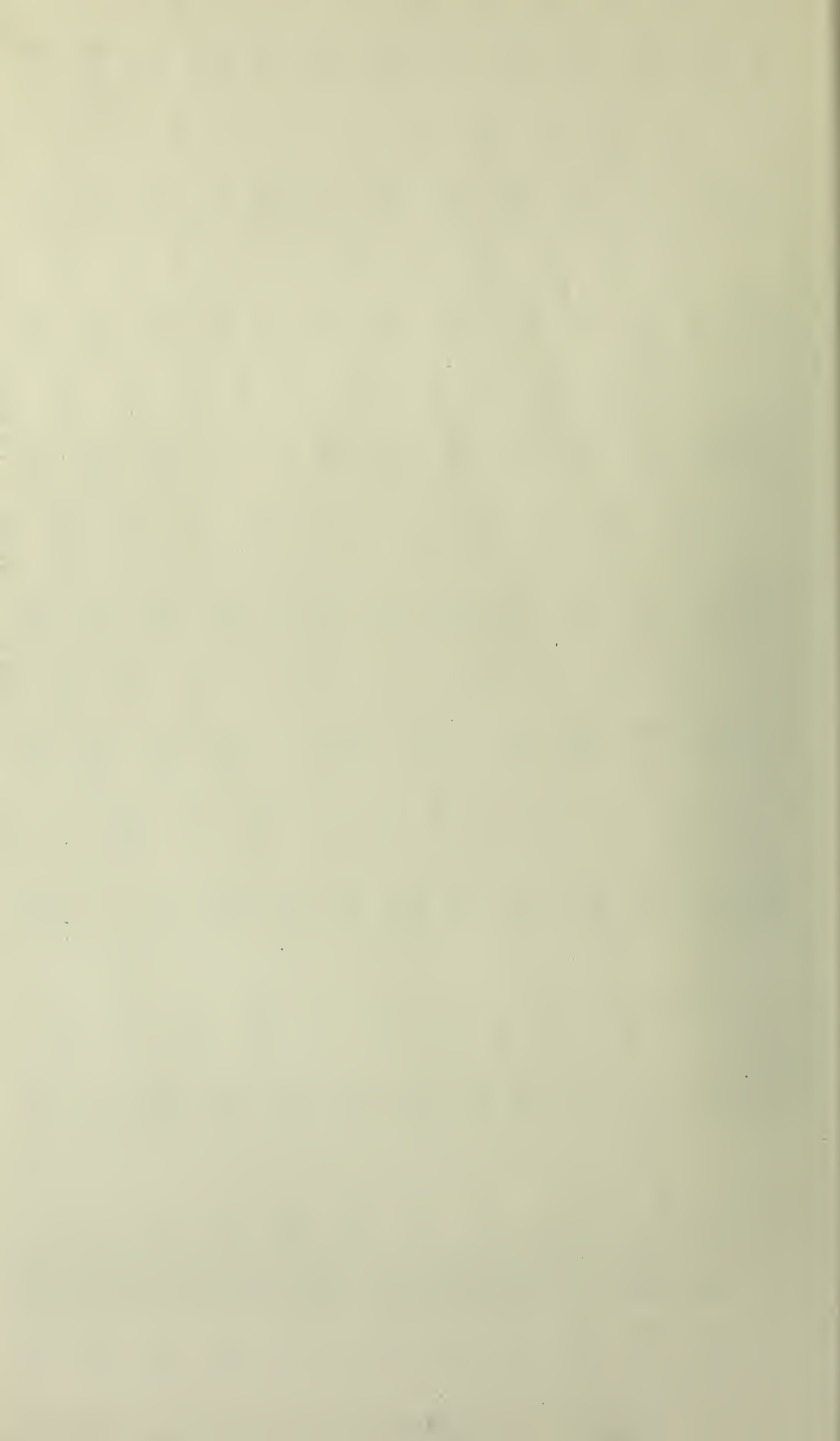
1950 Deposited Solids. Annual weights in tons per square mile

	<u>Reva Reservoir</u>	<u>Tranmere Park</u>	<u>Guiseley Moor</u>	<u>Mount Pleasant</u>	<u>Nunroyd Park</u>	<u>Yeadon</u>	<u>Yeadon Moor</u>	<u>Rawdon</u>
Collected	132	157	124	154	199	179	153	170
No.of months recorded	12	11	9	12	12	12	12	11
Average monthly weight	11.0	14.2	13.7	12.8	16.6	14.9	12.8	15.4
Corrected annual deposit	132	171	165	154	199	179	153	185
C/f..1949	141	140	139	167	186	247	157	185
1948	108	97	142	-	167	-	160	163
			<u>1950</u>		<u>1949</u>		<u>1948</u>	
Average monthly deposit, entire District .....			13.8		14.2		11.6	T/Sq.Ml.
Average annual deposit, entire District.....			167		170		139	



SOLID DEPOSITS. 1950 weights collected, month by month, in tons per square mile.

	Reva Reservoir	Tranmere Park	Guiselley Moor	Mount Pleasant	Nunroyd Park	Yeadon Cemetery	Yeadon Moor	Rawdon.
JAN.	Insoluble Soluble TOTAL	1.46 7.89 9.35	6.27 6.57 13.04	8.42 5.52 12.85	13.94	8.95 8.70 17.65	1.86 6.56 8.42	5.73 6.77 12.51
FEB.	Insoluble Soluble TOTAL	4.93 11.25 16.19	6.39 15.78 19.00	9.68 16.22 22.18	25.91	15.47 12.72 28.19	12.02 13.62 25.64	10.41 13.88 24.30
MAR.	Insoluble Soluble TOTAL	6.45 4.53 10.98	3.26 7.45 15.05	5.11 9.55 10.72	14.66	7.04 5.91 10.91	6.77 5.39 12.96	4.39 5.91 10.30
APR.	Insoluble Soluble TOTAL	3.58 8.60 12.18	1.43 6.81 10.04	6.81 7.17 8.24	13.98	4.84 4.30 9.14	5.02 5.06 13.62	2.15 8.64 10.79
MAY	Insoluble Soluble TOTAL	3.40 6.77 10.18	6.45 7.74 14.19	3.22 8.96 12.15	12.18	7.17 5.38 12.54	4.52 5.83 10.34	6.27 9.84 16.11
JUN.	Insoluble Soluble TOTAL	6.45 5.23 11.68	6.27 8.53 17.13	2.15 1.97 5.09	4.12	6.13 2.42 8.55	6.34 1.89 8.83	7.63 2.81 10.44
JUL.	Insoluble Soluble TOTAL	3.94 4.71 8.65	9.68 7.45 17.13	5.73 5.09 14.80	10.82	12.19 3.94 16.13	4.22 7.21 11.79	5.73 8.28 14.01
AUG.	Insoluble Soluble TOTAL	2.69 8.06 10.75	5.20 8.60 13.80	6.45 6.45 13.26	12.90	11.46 9.49 20.96	9.32 7.00 16.32	10.39 7.74 18.13
SEP.	Insoluble Soluble TOTAL	0.45 4.89 5.34	8.24 5.93 14.17	6.63 4.87 10.64	11.50	10.21 8.39 18.60	4.08 6.04 16.66	3.94 8.42 12.36
OCT.	Insoluble Soluble TOTAL	0.72 5.52 6.24	7.70 7.42 15.12	3.22 4.93 10.64	8.15	9.14 6.29 11.11	4.55 4.59 15.43	9.14
NOV.	Insoluble Soluble TOTAL	8.15 10.75 18.90	7.62 14.42 22.04	4.39 8.51 12.90	12.90	11.02 14.26 25.28	8.96 11.43 21.59	10.39 13.37 23.76
DEC.	Insoluble Soluble TOTAL	1.97 9.53 11.50	9.32 7.35 16.67	6.00 6.68 9.05	12.68	11.47 8.65 20.12	5.13 5.94 11.11	8.96 8.17 17.13





## Yearly Cycle of Deposited Pollution

To place the records of the rates of deposit in line with those adopted nationally, similar to the tables used for the smoke and sulphur dioxide readings, the year is taken from April to March and sub-divided into six summer months and six winter months. In this case, too, as the total weight collected is of importance - and not an average daily figure, the months of April and October are taken into account.

S - six summer months total weight, April to Sept. incl.

W - six winter months total weight, Oct. to March, incl.

All readings expressed in tons per square mile.

Site	Year	Insoluble		Soluble		TOTAL SOLIDS		Average monthly			
		S	W	S	W	S	W	Year	S	W	Year
Reva	1948-49	15.1	10.7	36.4	36.7	51.5	47.4	98.9	8.6	7.9	8.2
	1949-50	17.1	23.6	41.9	44.2	59.0	67.8	126.8	9.8	11.3	10.6
	1950-51	20.5	15.7	38.3	51.3	58.8	67.0	125.7	9.8	11.2	10.5
Tranmere Park.	1948-49	21.1	33.1	26.3	39.4	47.4	72.5	119.9	7.9	12.1	10.2
	1949-50	20.8	40.5	32.7	46.1	53.5	86.7	140.2	8.9	14.4	11.7
	1950-51	38.7	54.1	39.0	63.9	77.7	118.	195.7	12.9	19.7	16.3
Guisseley Moor.	1948-49	20.1	13.3	20.8	80.0	50.9	93.3	144.2	8.5	15.5	12.0
	1949-50	14.1	32.7	32.4	67.4	46.6	100.	146.7	7.8	16.7	12.2
	1950-51	20.8	19.6	51.8	61.1	72.6	80.7	153.3	12.1	13.4	12.8
Mount Pleasant.	1949-50	29.7	40.8	43.5	62.2	73.3	103.	176.3	12.2	17.2	14.7
	1950-51	31.0	32.8	34.5	44.2	65.5	77.0	142.5	10.9	12.8	11.9
Nunroyd Park.	1948-49	28.6	60.2	35.0	51.6	63.7	112	175.4	10.6	18.6	14.6
	1949-50	31.2	63.7	35.6	54.2	66.8	118	184.7	11.1	19.6	15.4
	1950-51	55.0	54.4	33.9	60.5	85.9	115	200.8	14.3	19.1	16.7
Yeadon Cemetery.	1949-50	23.6	76.4	46.4	65.4	69.9	142	211.8	11.7	23.6	17.6
	1950-51	49.8	49.8	47.9	58.9	97.7	109	206.4	16.3	18.1	17.2
Yeadon Moor.	1947-48	27.6	30.6	18.3	51.3	45.9	81.9	127.8	7.6	13.6	12.6
	1948-49	30.5	27.7	37.5	41.9	68.0	69.6	137.6	11.3	11.6	11.5
	1949-50	27.1	40.7	33.8	52.3	60.9	93.0	153.9	10.2	15.5	12.8
	1950-51	33.5	38.7	33.0	55.8	66.5	94.5	161.0	11.1	15.7	13.4
Rawdon.	1948-49	28.5	32.5	41.1	72.8	69.6	105	174.9	11.6	17.6	14.6
	1949-50	28.1	41.8	48.0	65.5	76.1	107	183.5	12.7	17.9	15.3
	1950-51	36.1	46.7	53.5	78.3	89.6	125	214.5	14.9	20.8	17.9

At this stage in the study of atmospheric pollution in Aireborough, it is only possible to determine an average value over a period of three years, and thus barely commence to obtain any figures for comparison purposes. But from now on, year by year, we shall be in a position to note the trend of pollution in the varying localities with a greater degree of accuracy.

Total Deposits - Average values over the three years:-

	<u>1947-1950</u>	<u>1948-1951</u>
Reva Reservoir		117.2
Tranmere Park		152.0
Guisseley Moor		148.1
Mount Pleasant		159.4
Nunroyd Park		187.0
Yeadon Cemetery		209.1
Yeadon Moor	139.8	150.9
Rawdon		191.0

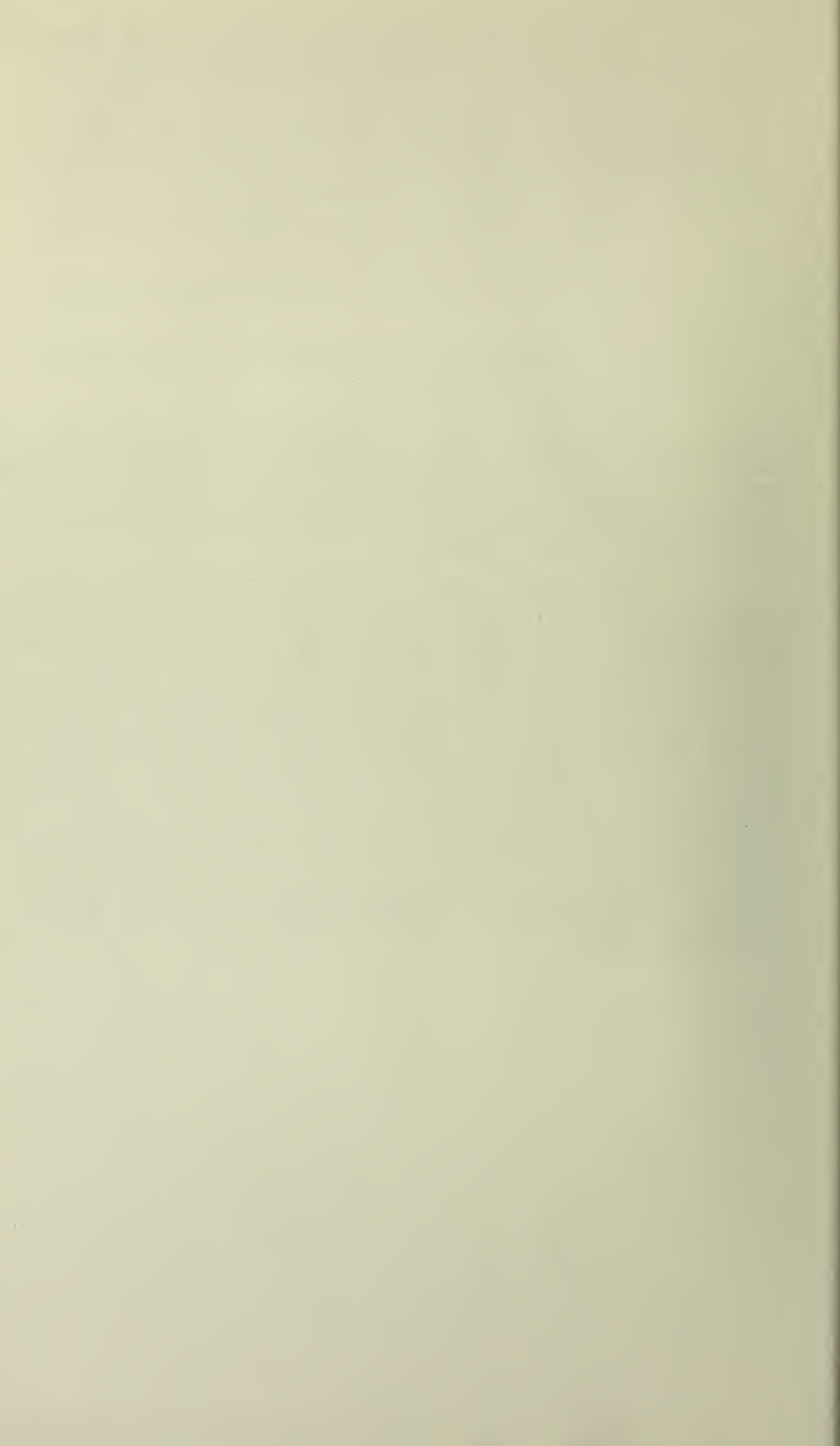


During the year under review there has thus been a very slight decrease of 3 tons per square mile over the whole district in the amount of solid material deposited; this decrease goes only a little way back to the first record of 139 tons. Once again various abnormal factors, excluding weather conditions and variable winds, may account for the higher District results - some due to the siting of the gauges and some due to the construction of our own models - for we can still list the following possible cause for 1950:-

1. Gauges in domestic gardens collecting ash from burning garden rubbish.
2. A possible interference with the gauge by young children.
3. Bird-droppings contaminating two or three gauges on occasions, where sited near open stretches of water or in parkland.

The annual amount of coal burnt in the domestic grates in the District itself is obviously increasing, as well as in the neighbouring urban and city areas from which we receive winds. In Aireborough in 1939, there were 7,440 houses, presumably burning 18,600 tons of coal, in 1948 there were 8,130 houses, burning 20,300 tons of coal, and in 1950 there were 8,283 houses burning 20,700 tons.

The deposit gauge is used to calculate the rate at which solid materials in the atmosphere are deposited at ground level, and so, by inference, the rate at which these solids are emitted into the air. The diversity of the results from month to month in one gauge does show that variations in actual emission only account for a very small part of the differences; the differences are mostly due to all weather factors - a wind may take solids away from the district, or it may bring others to it; rain may wash down a greater part of all solids; fine hot weather with rising air lifts and carries away the particles in still air and during the fog periods, the results of local open fires falls in the immediate vicinity of the chimney. On the average over a long period of time, however, rainfall, winds and other weather conditions are approximately constant; smoke emissions are obviously not so. Thus by determining mean values over long periods, i.e. five years - more accurate changes in emissions of pollution in any one area may be stated, and more accurate comparisons made between the winter and summer months.

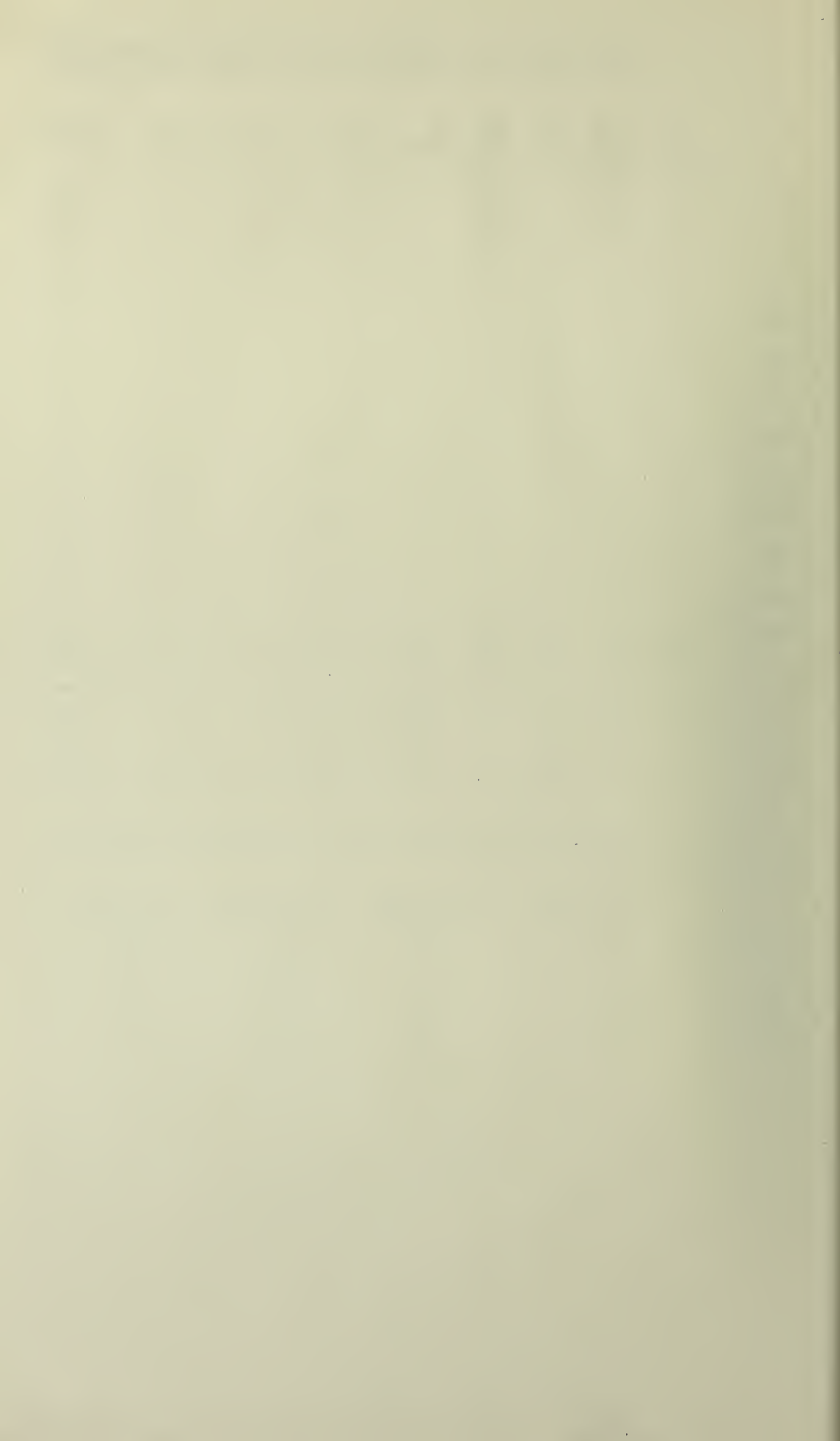


Wind directions observed at Yeadon at 9 a.m. each day of the year during 1950 are tabulated below:-

	<u>N</u> <u>NNE</u>	<u>NE</u> <u>ENE</u>	<u>E</u> <u>ESE</u>	<u>SE</u> <u>SSE</u>	<u>S</u> <u>SSW</u>	<u>SW</u> <u>WSW</u>	<u>W</u> <u>WNW</u>	<u>NW</u> <u>NNW</u>	<u>Var</u> <u>Calm.</u>	<u>TOTAL</u>
Jan.	1	4	5	2	2	5	5	3	4	31
Feb.	2	1	1	3	3	9	3	4	2	28
Mar.	4	-	-	2	4	4	6	5	6	31
Apr.	1	2	-	2	6	5	5	8	1	30
May	7	12	2	2	1	-	4	1	2	31
June	-	3	2	2	1	-	4	1	2	31
July	1	2	1	3	5	7	9	1	2	31
Aug.	1	1	1	7	8	7	1	3	2	31
Sept.	2	-	-	6	5	2	12	1	2	30
Oct.	1	1	2	4	6	5	8	2	2	31
Nov.	6	2	1	4	1	2	7	2	5	30
Dec.	2	2	1	3	3	6	2	8	4	31
	28	30	16	42	48	60	68	39	34	365
1949	18	15	14	42	44	103	56	31	42	365
1948	19	22	17	33	29	96	57	21	19	313

The prevailing winds from each quarter during the years may be resolved thus:-

	<u>N to ENE</u>	<u>E to SSE</u>	<u>S to WSW</u>	<u>W to NNW</u>
1950	58	58	108	107
1949	33	56	147	87
1948	41	50	125	78



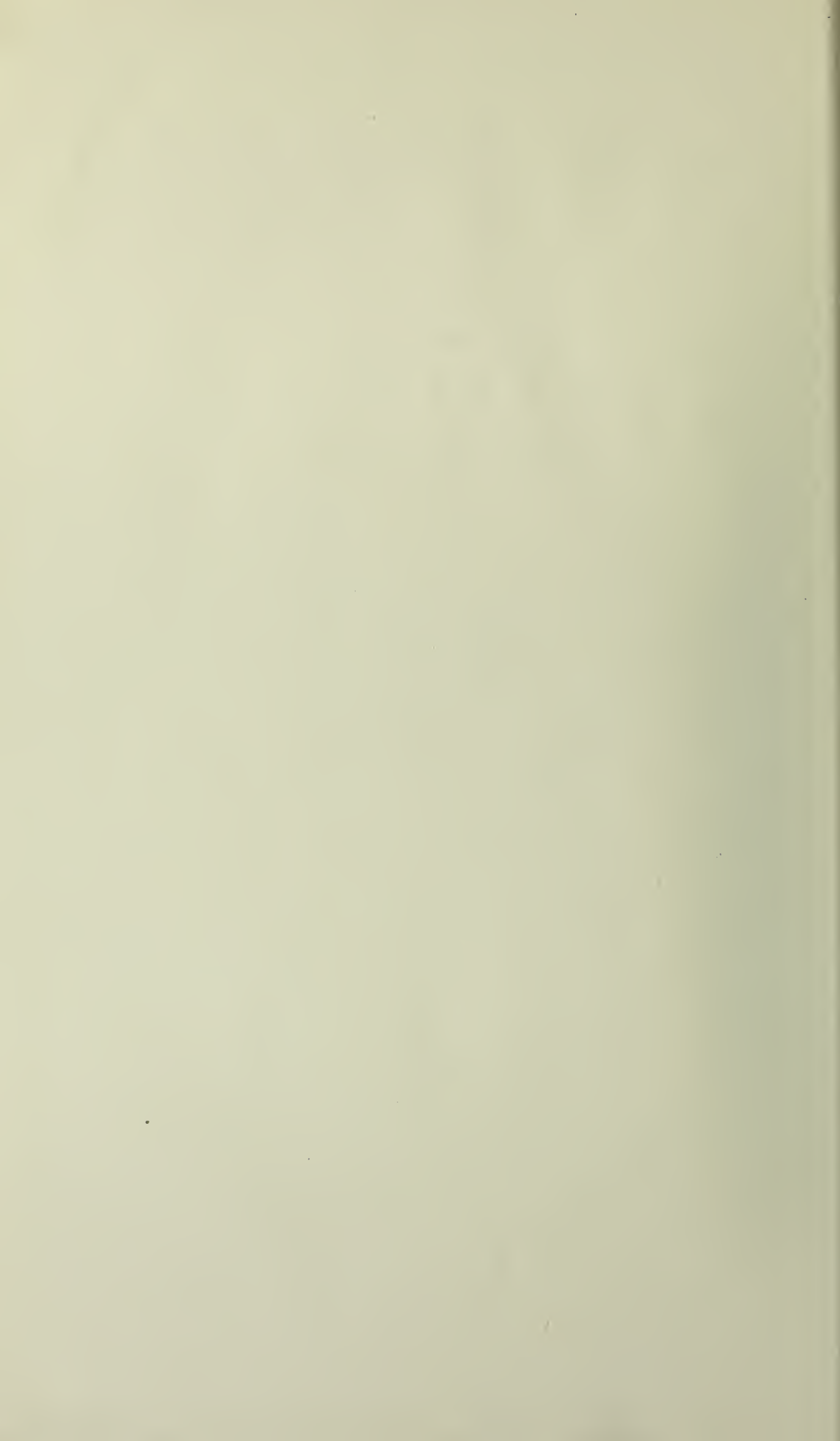


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A P P E N D I X

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# APPENDIX

## HEALTH SERVICES PROVIDED BY THE WEST RIDING COUNTY COUNCIL

### PUBLIC HEALTH DIVISION 5

The Division consists of the following Districts:-

	Population (Mid 1950)	Area (in acres)
Pudsey Borough	30,730	5,326
Horsforth Urban District	14,290	2,706
Aireborough Urban District	27,720	6,892

### DIVISIONAL STAFF

Divisional Medical Officer and Divisional School Medical Officer  
G.P. HOLDERNESS, M.B., Ch.B., D.P.H.

Deputy Divisional Medical Officer and Deputy Divisional School  
Medical Officer  
J.R. MURDOCK, M.D., Ch.B., D.P.H. D.C.H. (Resigned 31.12.50).

Assistant County Medical Officer  
HELEN M. MITCHELL, M.B., Ch.B.

Clinic Medical Officers (part time)  
KATHLEEN B. CARR, M.B., Ch.B.  
C.W. DUDLEY, M.B., Ch.B.  
T.H. ELMER, M.B., Ch.B.  
J.E. OUTHWAITE, M.B., Ch.B.  
W.W. POLLOCK, M.B., Ch.B.  
N. PYECROFT, M.C., M.B., Ch.B., M.R.C.S., L.R.C.P.  
DOREEN M. TILLOTSON, M.B., Ch.B.

Dental Officers  
J. HADDOW, L.D.S.  
S. LEVINSON, L.D.S.  
P.W. THORNTON, L.D.S.

Health Visitors and School Nurses  
Miss P.I. ADAMSON, S.R.N.  
Miss E.B. CRIBB, S.R.N., S.C.M., H.V.Cert.  
Mrs. M. DAWE, S.R.N., S.C.M., H.V.Cert.  
Mrs. E.E. GREEN, S.R.N., S.C.M., H.V.Cert.  
Mrs. J. MORTIMER, S.R.N., S.C.M., H.V. Cert.  
Miss A.J. MOVERLEY, S.R.N., S.C.M., H.V.Cert.  
Miss M.E. MARGERISON, S.R.N., S.C.M., H.V.Cert.  
Miss B.I. OWNSWORTH, S.R.N., S.C.M., H.V.Cert.  
Mrs. H. SHANN, S.R.N., S.C.M., H.V.Cert. (Appointed July, 1950).  
Mrs. J.B. SWIFT, S.R.N., S.C.M., H.V.Cert. (Appointed 1st  
September, 1950).  
Miss E.B. WHITAKER, S.R.N., S.C.M., C.R.S.I., H.V.Cert.

Assistant Health Visitors  
Miss A.L. ADAMSON, S.R.N., S.C.M. (Part-time).  
Miss I. BUDBY. Enrolled Assistant Nurse.  
Mrs. M.A. BURGOYNE, S.R.N., S.C.M., R.M.P.A.



#### Midwives

Miss W. GIBSON, S.R.N., S.C.M. (Relief).  
Miss J.M. HARDY, S.R.N., S.C.M.  
Mrs. N.S. HOLLIDAY, S.R.N., S.C.M.  
Mrs. D. LAURIE, S.C.M.  
Miss R. RICHARDSON, S.R.N., S.C.M.  
Mrs. J.I. ROBERTS, S.R.N., S.C.M.  
Mrs. M. RUST, S.R.N., S.C.M.  
Mrs. M. WATTS, S.R.N., S.C.M. (Appointed 1.1.50).  
Miss J.E.P. WHITFIELD, S.R.N., S.C.M.  
Mrs. G.M. WOODHALL, S.R.N., S.C.M.

#### Home Nurses

Miss J.E. HARDY, S.R.N., S.C.M. Queen's Nursing Sister.  
Miss O.M. ILLINGWORTH, R.M.P.A.  
Mrs. O. LONGLEY, S.R.N.  
Miss B. OCKERBY, S.R.N., S.C.M. Queen's Nursing Sister.  
(Resigned 31. 12. 50).  
Mrs. A.L. PARNHAM, S.R.N., S.C.M.  
Miss N.M. ROBSON, S.R.N.  
Mrs. A. WALTON, S.R.N.  
Mrs. D. WARD, S.R.N.  
Miss A. WILKINSON, S.R.N., S.C.M. (T.B. Nurs. Cert).  
Queen's Nursing Sister.  
Mrs. D. WILSHAW, S.R.N., S.C.M. Queen's Nursing Sister.

#### Tuberculosis Health Visitors

Mrs. S.A. CUNLIFFE, S.R.N.  
Mrs. V. HARTLEY, S.R.N.

#### Day Nurseries

Matrons: Guiseley. Mrs. C. BAXTER, S.R.N., S.C.M.  
Yeadon. Mrs. D. CUNLIFFE, S.R.N.  
Pudsey. Miss E. MOORE, S.R.N., S.C.M.  
Horsforth. Miss K.M. MOORE, S.R.N., S.C.M.

#### Mental Health Social Worker

Miss E. BUCK.

#### Mental Health Home Teacher

Miss M. MOXON.

#### V.D. Social Worker

Miss E.M. SENIOR, S.R.N., S.C.M., H.V. Cert.

#### Consultant Staff at Specialist School Clinics (Provided by Leeds Regional Hospital Board).

#### Consultant Ophthalmologist

R. BURNS, M.B., Ch.B., B.A.O.

#### Consultant Aural Surgeon

S. KAVANAGH, F.R.C.S. Ed., D.L.O.

#### Consultant Orthopaedic Surgeon

IAN LAWSON DICK, M.D., Ch.M., F.R.C.S.



# MIDWIFERY AND MATERNITY SERVICES

## 1. Births

The births notified during the year assignable to the Division were as follows:-

	DOMICILIARY		INSTITUTIONAL		TOTAL
	LIVE	STILL	LIVE	STILL	
PUDSEY M.B.	155	2	271	11	439
HORSFORTH U.D.	48	-	129	4	181
AIREBOROUGH U.D.	132	-	234	5	371
TOTALS	335	2	634	20	991

## 2. Domiciliary Midwifery

The services of nine full-time County domiciliary midwives were available in the Division during the year and relief duties were undertaken by a Relief Midwife. All the midwives are qualified to administer Gas and Air Analgesia and are equipped with the necessary apparatus.

In addition to attending domiciliary confinements, the midwives also attend those cases confined in hospitals and nursing homes if they are discharged home before the end of the lying-in period.

One independent midwife practised in the Aireborough Urban District.

The number of domiciliary confinements attended by midwives during the year was as follows:-

	Attended by County Midwives		Attended by Indep- endent Midwives	
	As Midwives	As Maternity Nurse	As Midwives	As Maternity Nurse
PUDSEY M.B.	148	8	-	-
HORSFORTH U.D.	42	6	-	-
AIREBOROUGH U.D.	91	32	-	11
TOTALS	281	46	-	11

The following table gives the number of cases in which Gas and Air Analgesia was administered by domiciliary midwives during the year:-

PUDSEY M.B.	76
HORSFORTH U.D.	25
AIREBOROUGH U.D.	87
TOTAL	188







### 3. Institutional Confinements

Towards the end of the year the arrangement whereby normal maternity cases were booked through the Central Booking Bureau at County Hall, Wakefield, and allocated to beds in former County Hospitals, was terminated.

All applications for Regional Hospital Board maternity accommodation for expectant mothers in this Division are now made by the ante-natal clinic or the patient's own doctor, to the Ilkley and Otley Hospital Management Committee, and accommodation is booked in one or other of the following maternity homes according to the wishes of the patient and the nature of the case:-

Four Gables Maternity Home, Horsforth.	20 beds.
The General Hospital, Otley.	20 beds.
St. Winifred's Maternity Home, Ilkley.	12 beds (provisional)

At each of these units it is possible for the patient's own doctor to attend the confinement if desired.

These arrangements are so far working very satisfactorily.

### 4. Ante-Natal and Post-Natal Clinics

The following attendances were made during the year:-

NAME OF CLINIC	NO. OF SESSIONS HELD DURING YEAR	NO. OF PATIENTS WHO ATTEN- DED DURING YEAR	TOTAL NO. OF ATTENDANCES	AVERAGE ATTENDANCE PER SESSION
PUDSEY	52	235	894	17
FARSLEY	52	151	511	10
CALVERLEY	51	45	157	3
HORSFORTH	24	71	205	8
RAWDON	12	39	116	10
YEADON	24	68	176	7
GUISELEY	52	95	517	10



## 5. Dental Treatment for Expectant Mothers

Facilities are available for expectant and nursing mothers to receive priority dental treatment through the County Council's Scheme either at the County's Dental Clinic, Richardshaw Lane, Pudsey, or from their own dentist.

### CHILD WELFARE SERVICES

#### 1. Infant Welfare Clinics

The following attendances were made during the year:-

NAME OF CLINIC	NUMBER OF SESSIONS HELD DURING YEAR	NO. OF CHILDREN WHO ATTENDED DURING YEAR	NEW PATIENTS		TOTAL ATTENDANCES		AVERAGE ATTENDANCE PER SESSION	
			UNDER 1 YEAR OF AGE	1-5 YEARS OF AGE	UNDER 1 YEAR OF AGE	1-5 YEARS OF AGE	UNDER 1 YEAR OF AGE	1-5 YEARS OF AGE
PUDSEY	102	475	183	16	2140	782	21	8
FARSLEY	49	319	115	7	1628	666	33	14
CALVERLEY	51	169	48	7	615	652	12	13
HORSFORTH	52	286	100	7	1743	773	33	15
RAWDON	52	244	65	11	1089	1025	21	20
YEADON	50	322	96	26	1049	1025	21	20
GUISELEY	52	265	98	9	1568	734	30	14



## 2. Day Nurseries

The demand for day nursery accommodation continues and apart from casual absence due to sickness, all the day nurseries have been fully used and have considerable waiting lists. Children in the age range 0-5 years are admitted, and the following categories are eligible for admission:-

The child whose mother is ill or having a baby.  
The illegitimate child whose mother is seeking work.  
Children of parents who cannot find suitable homes, or are living in overcrowded and/or insanitary dwellings.  
The child of the widow who must educate and support her family.  
Children of mothers engaged in essential industries.

The nurseries are recognised by the Ministries of Health and Education as training centres for students for the certificate of the National Nursery Examination Board.

All the children attending the nurseries are medically examined monthly, and diphtheria immunisation is also carried out when necessary.

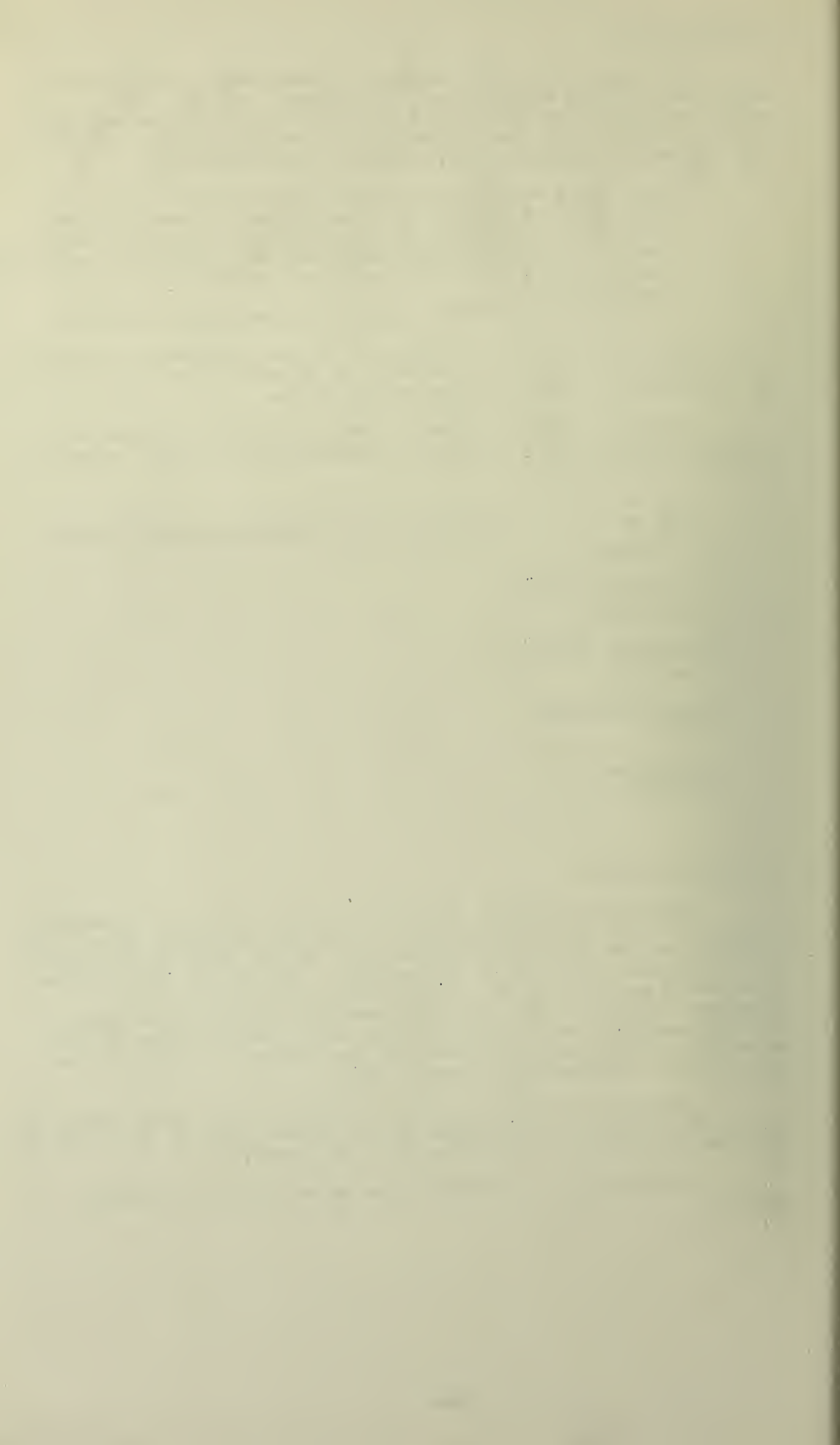
NAME OF DAY NURSERY	AVERAGE DAILY ATTENDANCE DURING YEAR	
	0 - 2	2 - 5
PROVIDENCE HOUSE, STANNINGLEY.	13	18
SUNNYBANK AVENUE, HORSFORTH.	7	23
WHACKHOUSE LANE, YEADON.	8	21
OXFORD ROAD, GUISELEY.	6	22

## 3. Premature Infants

Special equipment, for use in the nursing of premature babies at home, is stationed at the Pudsey Ambulance Depot from which it can be delivered to the home at any time day or night at the request of a doctor or midwife. The Relief Midwife has attended a special course of instruction in the care of premature babies at the Sorrento Maternity Home, Birmingham, and arrangements have been made for her to be notified of all premature births in order that she can advise and assist the domiciliary midwives as to their care.

Provision is made on the notification of birth card for the birth weight of the infant to be stated, and if it is  $5\frac{1}{2}$ -lbs. or less the infant is considered to be premature.

Particulars of survival are shown in the following table:-





PREMATURE BABIES, BORN DURING 1950 TO MOTHERS NORMALLY RESIDENT IN THE DIVISION

BORN AT HOME	BORN IN PRIVATE NURSING HOME	BORN IN MATER- NITY HOME OR HOSPITAL	Born dead		Died in first 24 hours		Died on 2nd to 7th day		Died on 8th to 28th day		Survived 28 days		Total
			Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	
PUDSEY			Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	Under 3 lbs.	4 lbs. to 5½ lbs.	3 lbs. to 4 lbs.
HORSFORTH													
AIREBOROUGH							1						
PUDSEY													
HORSFORTH													
AIREBOROUGH													
PUDSEY			1	1	1	1	1	1	1	1	1	1	2
HORSFORTH													
AIREBOROUGH													
PUDSEY			1	1	1	1	1	1	1	1	1	1	1
HORSFORTH													
AIREBOROUGH													
PUDSEY			1	1	1	1	1	1	1	1	1	1	1
HORSFORTH													
AIREBOROUGH													
PUDSEY			1	1	1	1	1	1	1	1	1	1	1
HORSFORTH													
AIREBOROUGH													
PUDSEY			1	1	1	1	1	1	1	1	1	1	1
HORSFORTH													
AIREBOROUGH													
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HORSFORTH													
AIREBOROUGH													</





#### 4. Illegitimate Children

The Health Visitors visit all unmarried mothers and their children to give any necessary help and advice. Effective co-operation exists between the Divisional Public Health Office and the various statutory and voluntary bodies who may be concerned in dealing with the many social problems which these cases frequently present.

The County Council accept financial responsibility within prescribed limits for unmarried mothers admitted to Moral Welfare Homes.

The number of illegitimate live births in the Division during the year was as follows:-

	Illegitimate live births	Percentage of total live births
PUDSEY M.B.	26	6%
HORSFORTH U.D.	9	5%
AIREBOROUGH U.D.	13	3.5%

#### HEALTH VISITING

Under Section 24 of the National Health Service Act, 1946, health visiting became, for the first time in its history, a statutory duty. The relevant section says: "It shall be a duty of every local health authority to make provision in their area for the visiting of persons in their homes by visitors, to be called "health visitors", for the purpose of giving advice as to the care of young children, persons suffering from illness and expectant or nursing mothers, and as to the measures necessary to prevent the spread of infection." Previously the health visitor was mainly concerned with the welfare of mothers and young children under five years, and although this must continue to be an important part of her work, she is now also concerned with the promotion of health within the family as a unit, and the scope of her work has consequently been very considerably extended and broadened. An increasing part of her time is being devoted to the problems of the aged and the care and after care of patients discharged from hospital. She also attends at the Infant Welfare, Ante-Natal and School Clinics, and undertakes School Medical work.

During the year practical work was arranged in the Division for health visitor students who were taking the course of training, arranged jointly by the County Council and the University of Leeds, for the Health Visitors' Certificate.

Details of the Health Visitors' work are given below:-

	VISITS TO EXPECTANT MOTHERS	VISITS TO INFANTS UNDER 1 YEAR		VISITS TO INFANTS 1-5 YEARS		OTHER VISITS
		1st VISITS	OTHERS	1st VISITS	OTHERS	
PUDSEY M.B.	218	490	3161	38	6959	1341
HORSFORTH U.D.	70	201	490	13	883	750
AIREBOROUGH U.D.	227	386	1318	32	2906	1431
TOTALS	515	1077	4969	83	10748	3522



## HOME NURSING

The Home Nursing Service continues to fill a most pressing need in view of the shortage of hospital beds especially for the aged chronic sick, and the early discharge of patients from hospital owing to the pressure on hospital accommodation.

Very close and effective liaison is maintained with general practitioners and the various hospitals in relation to this service.

Each nurse has under her care articles of equipment for loan to patients who are being nursed at home. Large articles of equipment such as wheel chairs, etc. are stored at the Divisional Public Health Office, and are available for loan to patients as required. The existing equipment is at present being augmented and will eventually be very comprehensive in range.

The work performed by the Home Nurses during the year is as follows:-

	NUMBER OF VISITS MADE DURING YEAR	NUMBER OF CASES ATTENDED DURING YEAR
PUDSEY M.B.	13,242	527
HORSFORTH U.D.	5,475	278
AIREBOROUGH U.D.	10,956	484

## HOME HELP SERVICE

There has been a steady expansion of this service in the Division during the year.

We have fortunately been able to recruit a sufficient number of suitable Home Helps, except in the Borough of Pudsey where there is a considerable demand by industry for female labour, and at the end of the year 36 Home Helps (15 whole-time and 21 part-time) had been enrolled for duty in the Divisional area.

The number of cases provided with a Home Help and the classification of the cases is as follows:-

CASES PROVIDED WITH DOMESTIC HELP DURING YEAR							
	ILLNESS (Exclud- ing Aged)	LYING- IN	EXPECT- ANT MOTHERS	MENTAL DEFEC- TIVE	AGED	CHILDREN OF PRE- SCHOOL OR SCHOOL AGE	TOTAL
PUDSEY M.B.	35	40	5	1	36	2	119
HORSFORTH U.D.	10	28	2	-	23	-	63
AIREBOROUGH U.D.	42	61	5	2	35	1	146
TOTAL CASES	87	129	12	3	94	3	328
TOTAL HOURS WORKED	10,106½	9,831¾	752	548½	14,121¼	288	35,648





## MENTAL HEALTH SERVICES

Miss E. Buck, one of the County Council's Mental Health Social Workers, undertakes duties in connection with the supervision and training of mentally defective persons in the Division, who are under statutory supervision, guardianship or on licence from Institutions. She is also concerned with the aftercare of persons discharged from Mental Hospitals although little work has been done in this direction, as this is mainly carried out by the social worker attached to the local Mental Hospital.

Miss M. Moxon, Home Teacher, undertakes the training of defectives in their own homes.

Arrangements have been made with the Leeds Mental Health Service for children who have been reported to the Local Health Authority as ineducable and who are living at home, to attend daily at the West Leeds Occupation Centre, Armley Grange, Stanningley Road, Leeds.

The Duly/Authorised Officer whose duty it is to take initial proceedings for the care and treatment of persons of unsound mind under the Lunacy and Mental Treatment Acts, is Mr. J. Rollicson, Divisional Welfare Office, Bradford.





Particulars of Mental Defectives as on the 1st January, 1951.

	PUDSEY		HORSFORTH		AIRE-BOROUGH		TOTAL	
	M	F	M	F	M	F	M	F
1. Number of Ascertained Mental Defectives found to be "subject to be dealt with" :-								
(a) On Licence from Institutions.								
Under 16 yrs.of age.	-	-	-	-	-	-	-	-
Over 16 yrs. of age.	1	-	-	-	-	-	1	-
(b) Under Guardianship (including cases on licence therefrom)								
Under 16 yrs.of age.	-	-	-	-	-	-	-	-
Over 16 yrs. of age.	-	-	-	1	2	2	2	3
(c) Under Statutory Supervision (excluding cases on licence).								
Under 16 yrs.of age.	7	5	8	2	3	3	18	10
Over 16 yrs. of age.	6	5	6	4	7	5	19	14
Number of cases included in (b) and (c) above awaiting removal to an Institution.	1	-	-	-	1	-	2	-
Number of Mental Defectives not at present "subject to be dealt with", but over whom some form of voluntary supervision is maintained:								
Under 16 yrs.of age	-	-	1	-	-	-	1	-
Over 16 yrs. of age	-	3	-	-	3	1	3	4
Number of Mental Defectives receiving training:-								
(a) In Occupation Centres.								
Under 16 yrs.of age	1	-	5	1	2	2	8	3
Over 16 yrs.of age	-	-	-	-	1	-	1	-
(b) At home.	-	3	-	1	1	-	1	4
II. OF THE TOTAL NUMBER OF MENTAL DEFECTIVES KNOWN TO THE LOCAL HEALTH AUTHORITY.								
(a) Number who have given birth to children during 1950.								
(i) After marriage.	-	-	-	-	-	-	-	-
(ii) While unmarried.	-	-	-	-	-	-	-	-
(b) Number who have married during 1950.	-	-	-	-	-	-	-	-



# DIPHTHERIA IMMUNISATION AND VACCINATION

Diphtheria immunisation and vaccination is the responsibility of the West Riding County Council as Local Health Authority, and is carried out free of charge at all the Infant Welfare Clinics, at special sessions held in the schools, or by private medical practitioners.

## Diphtheria Immunisation.

Number of children at 31st December, 1950, who had completed a course of Immunisation at any time before that date (i.e. at any time since January 1st, 1936, in the Division.

AGE AT 31.12.50 i.e. BORN IN YEAR	UNDER 1 1950	1 1949	2 1948	3 1947	4 1946	5 to 9 1941- 45	10 to 14 1936- 40	TOTAL UNDER 15
NO. IMMUNIS- ED IN:								
PUDSEY M.B.	28	224	339	398	332	1904	1596	4821
HORSFORTH UD	3	82	144	144	118	840	1004	2335
AIREBOROUGH U.D.	4	169	263	281	196	1399	1256	3568

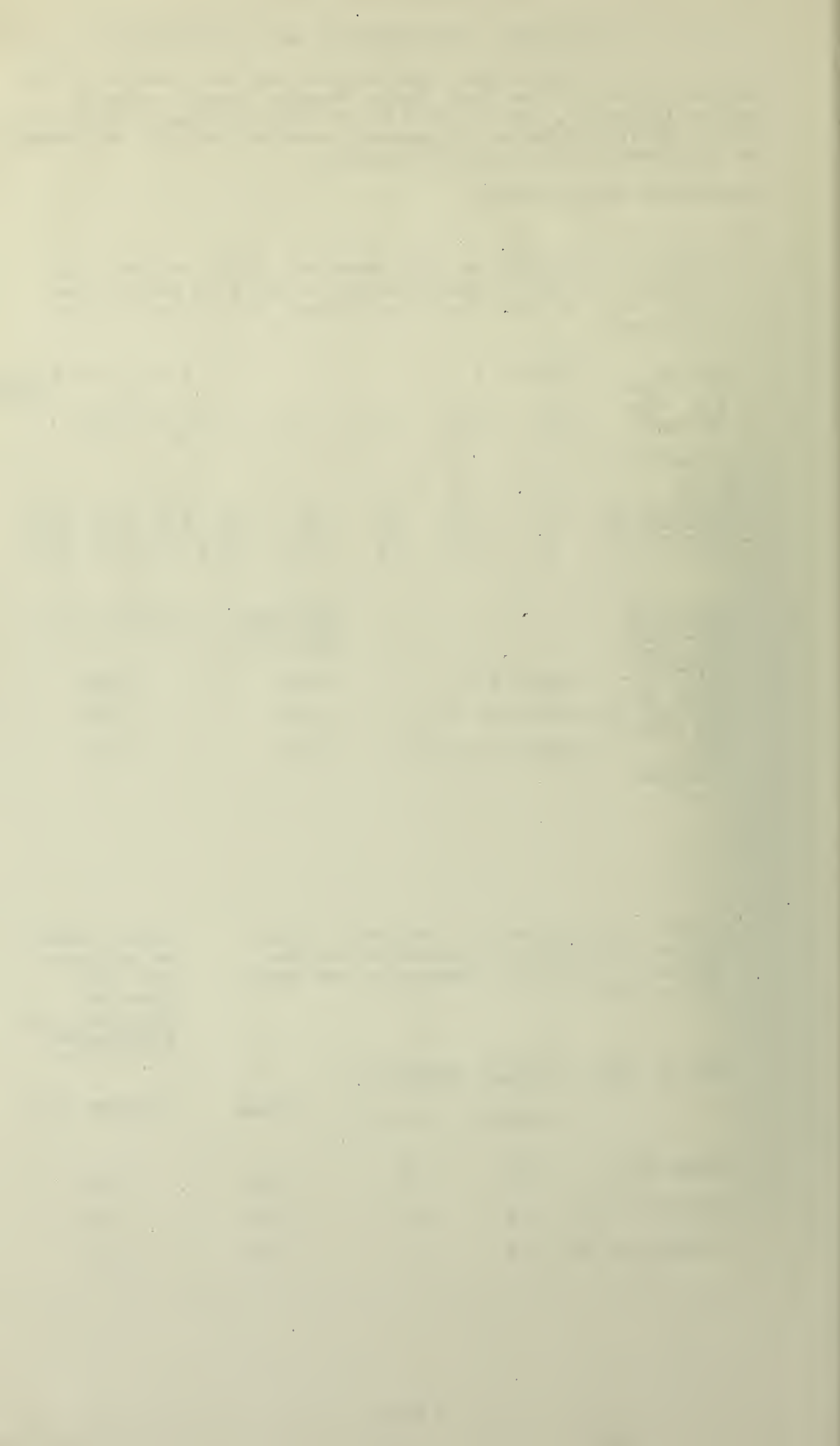
ESTIMATED MID-YEAR CHILD POP- ULATION - 1950. AS SUPPLIED BY THE REGIS- TRAR GENERAL	CHILDREN UNDER FIVE	CHILDREN 5-14
PUDSEY M.B.	2,440	3,769
HORSFORTH U.D.	1,097	1,618
AIREBOROUGH U.D.	2,206	3,616

Number of children who completed a full course of primary immunisation in the Division (including temporary residents) during 1950.

Total number of children who were given a secondary or reinforcing injection.

## AGE AT DATE OF FINAL INJECTION.

	UNDER 5	5 to 14	TOTAL	DURING 1950
PUDSEY M.B.	268	28	296	224
HORSFORTH U.D.	123	15	138	93
AIREBOROUGH UD	217	39	256	211



# VACCINATION

## NUMBER OF PERSONS VACCINATED (OR RE-VACCINATED) DURING 1950

AGE AT 31st DECEMBER, 1950 i.e. BORN IN YEARS		UNDER 1 1950	1 to 4 1946- 1949	5 to 14 1936- 1945	15 or OVER BEFORE 1936	TOTAL
NUMBER VACCINATED	PUDSEY M.B.	74	67	11	8	160
	HORSFORTH UD.	42	30	23	16	111
	AIREBOROUGH UD.	58	39	10	14	121
NUMBER RE-VACCINATED	PUDSEY M.B.	-	-	5	28	33
	HORSFORTH UD.	-	-	11	25	36
	AIREBOROUGH UD.	-	1	6	34	41





# SCHOOL HEALTH SERVICE

1. MEDICAL INSPECTION OF PUPILS ATTENDING MAINTAINED PRIMARY AND SECONDARY SCHOOLS IN THE DIVISION DURING THE YEAR ENDED 31st DECEMBER, 1950.

## PERIODIC MEDICAL INSPECTIONS

Number of Inspections in the prescribed Groups

Entrants	888
Second-age group	393
Third age group	683
Total	<u>1964</u>

Number of other Periodic Inspections 258

Grand Total 2222

## OTHER INSPECTIONS

Number of Special Inspections 275

Number of Re-Inspections 329

Total 604

2. NUMBER OF INDIVIDUAL PUPILS FOUND AT PERIODIC MEDICAL INSPECTION TO REQUIRE TREATMENT (EXCLUDING DENTAL DISEASES AND INFESTATION WITH VERMIN).

Group	For Defective vision (excluding squint)	For any of the other conditions recorded in Return of Defects.	Total individual pupils
Entrants	16	55	70
Second age group	41	20	55
Third age group	45	47	89
Total (prescribed groups)	102	122	214
Other Periodic Inspections	11	21	31
GRAND TOTAL	113	143	245





3. RETURN OF DEFECTS FOUND BY MEDICAL INSPECTION

Defect or Disease	PERIODIC INSPECTIONS		SPECIAL INSPECTIONS	
	Number of Defects		Number of Defects	
	Requiring treatment	Requiring to be kept under observation, but not requiring treatment	Requiring treatment	Requiring to be kept under observation, but not requiring treatment
(1)	(2)	(3)	(4)	(5)
Skin	6	22	2	-
Eyes	113	30	14	6
a. Vision	2	6	1	-
b. Squint	2	1	1	1
c. Other				
Ears	1	5	2	1
a. Hearing	-	2	-	2
b. Otitis Media	2	3	-	-
c. Other				
Nose or throat	59	174	13	16
Speech	1	12	3	1
Cervical glands	-	7	-	-
Heart and circulation	-	20	-	5
Lungs	-	7	-	15
Developmental				
a. Hernia	-	6	-	-
b. Other	-	8	-	-
Orthopaedic				
a. Posture	36	37	-	2
b. Flat foot	29	17	1	3
c. Other	5	4	-	-
Nervous system				
a. Epilepsy	-	1	-	-
b. Other	-	1	-	-
Psychological				
a. Development	-	2	-	-
b. Stability	-	1	-	-
Other	-	29	-	3



#### 4. CLASSIFICATION OF THE GENERAL CONDITION OF PUPILS INSPECTED.

AGE GROUPS	NUMBER OF PUPILS INSPECTED	A. (GOOD)		B. (FAIR)		C. (POOR)	
		NO.	% OF	NO.	% OF	NO.	% OF
			COL. 2		COL. 2		COL. 2
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Entrants	888	301	34%	556	63%	31	3%
Second age group	393	155	39%	223	57%	15	4%
Third age group	683	336	49%	334	49%	13	2%
Other Periodic Inspections	258	99	38%	157	61%	2	1%
TOTAL	2222	891	40%	1270	57%	61	3%

#### 5. INFESTATION WITH VERMIN.

- (i) Total number of examinations in the schools by the school nurses or other authorized persons 22470
- (ii) Total number of individual pupils found to be infested. 462
- (iii) Number of individual pupils in respect of whom cleansing notices were issued (Section 54 (2), Education Act, 1944). 5
- (iv) Number of individual pupils in respect of whom cleansing orders were issued (Section 54 (3), Education Act, 1944). 2



## 6. MINOR AILMENT CLINICS.

Number of Defects  
treated, or under  
treatment during  
the year 1950

(a)	Skin -	
	Ringworm - Scalp -	-
	Body -	3
	Scabies	-
	Impetigo	8
	Other skin diseases	402
	Eye Diseases (external and other, but excluding errors of refraction and squint).	38
	Ear Nose and Throat Defects	83
	Miscellaneous (e.g. Minor injuries, bruises, sores, chilblains, etc.)	606
	TOTAL	1140
(b)	Total number of attendances at Minor Ailments Clinic	3116

## 7. OPHTHALMIC CLINICS

No. of sessions held during year	37
No. of cases dealt with	
Errors of refraction (including squint)	433
Other conditions	4
No. of pupils for whom glasses were prescribed	294

## 8. ORTHOPAEDIC CLINIC

	Pre-school children	School children
No. of sessions held during year	17	17
No. of individual patients referred	60	72
Total number of attendances	107	95
Total number of patients treated at clinic by physiotherapist (including cases continuing treatment from previous year)	93	170
Total number of attendances	1649	2082





# 9. EAR NOSE AND THROAT CLINIC

	Pre-school children	School children
No. of sessions held during the year	10	10
No. of individual children referred	18	221
No. of (2) above -		
(a) referred for operative treatment	10	113
(b) who obtained operative treatment	10	93
(c) treated at school clinics	3	29
Total number of attendances at consultant clinic	18	185

